

BALAZS

EXP. 39 FFS 4803/4804 → 1993

EXP. 40 FFS → 1995

22125 MALES
22133

JUNE 2 1995

P. 55-63

IOTA-055

GBI WH6 BLQ

FFS

1993-1995

G.H. BALAZS

70 YEARS! 23 AUGUST 93 FFS EXPEDITION #39
 25 P. 21-
 P. 2-
 P. 28-29 FINACT TRACKING DATA 4803/4804 TAGS USED U273-U285
 2 TRANS. ON FEMALES DEPLOYED

Bob Justman - 486-6657

G.H. BALAZS

P. 33 1994 MONITORING FFS EAST
 P. 124 = 1993 P. 126 = 1995 P. 36 = 1994

P. 47 1995 2 ♂, 3 JUNE 95 - 9 JUNE 95
 Exped. 40

Third Trip to FFS for Sat. Transmitter Deployment

EAST 6/8/95 ID 22125⁶ Applied U672, U673, SCL = 85.9 cm
 0825 hours 513 U674, U675 MALE
 EAST 6/7/95 ID 22133 (EXISTING TAGS) SCL = 87.1 cm
 0725 hours 513 b/b Applied - U651, U652 6/8/82 EAST, BASK.
 Mototool 6038 6/4/84 EAST, BASK.
 22-25

TOTAL TRACKS
 AS of 9/95
 6-females
 2-males



Composition Book • 9 3/4 in. x 7 1/2 in.

Available As:

Item No.	Sheets	Ruling
09-9130	60	College Ruled & Margin
09-9132	60	College Ruled & Margin & Paged
09-9134	100	College Ruled & Margin

ESSELTE

Esselte Pendaflex Corporation, Garden City, NY 11530
 Made in U.S.A. B&P and Boorum & Pease are trademarks of
 Esselte Pendaflex Corporation.

ST-3 = 837g (with magnet)
 = 764g (without magnet, magnet = 72.6g)
 (or 1.68 lbs)

JUSTMAN 714 lbs

Need
11/89
MOTOR BOATING "STAYING ALIVE"
& SAILING
ENTER TAPS
8/92-8/93 DATA.

by SID
STAPLETON
(BILL BUTLER)
66 DAYS
ADRIPT

TURN ON
MONDAY 8/23/93
3:57 PM
or 5:38 PM

1

P.2 ID 4803 = Sys. 5919 NO EXISTING MOTOTOOL TAGS U273-U276 90.1cm SL= 10AM 8/24/93 TUES.

P.24 " 4804 = Sys. 5920 TAGS U204, 205, 283, 285 SL=90.4 8/25/93

" 4805 = Sys. 6838 NOT USED 8/93

DESIRABLE TURTLES

NOT seen 8/23-8/25/93 EAST
S20 PUNALOU 1/78 2370, 71, 72 (67.3cm)

II S11 MOLOKAI 4/84 6694, 95 (83cm)

II S97 MOLOKAI 2/84 7331, 32 (78cm)

II S35 LAYSAN 4/82 5182, 5096, 6927 (89cm)

MARKED NEST II S91 UNKNOWN - NOT previously tagged A412, A413 HEAVILY TUMORED

II S173 ? ? TUMOR L Hind

Seen S142 AMPUTATED LEFT FRONT FLIPPER
8/23/93 Seen & photoed basking N shore by boat anchorage
8/24-8/25/93 - successfully nested AREA 6.
IN BOX FOR PART of night - added U284RFL
EXISTING U197RHIND.

Photo - Necropsy - line strangulation LFF
Necropsy Report by Thierry Work Subsequently strangled dead, Makaha, Oahu
MAY NOT have been seen at FFS summer 93 - ERROR ON MY PART.
6307, 6308 Cisianski

2

8/23/93
Monday

SEL 90.1 X 69.3 SCW

CCL 97.0 X 87.0 CCW

EAST

NO "S"
MOTO TOOL # present
"4803"
MOTO TOOL

SCORE = 1
Photos

Left eye 1#2 on posterior & 1#1 anterior corner
Rt eye 1#1 on posterior corner

Newly Applied TAGS

LFL U273

RFL U274

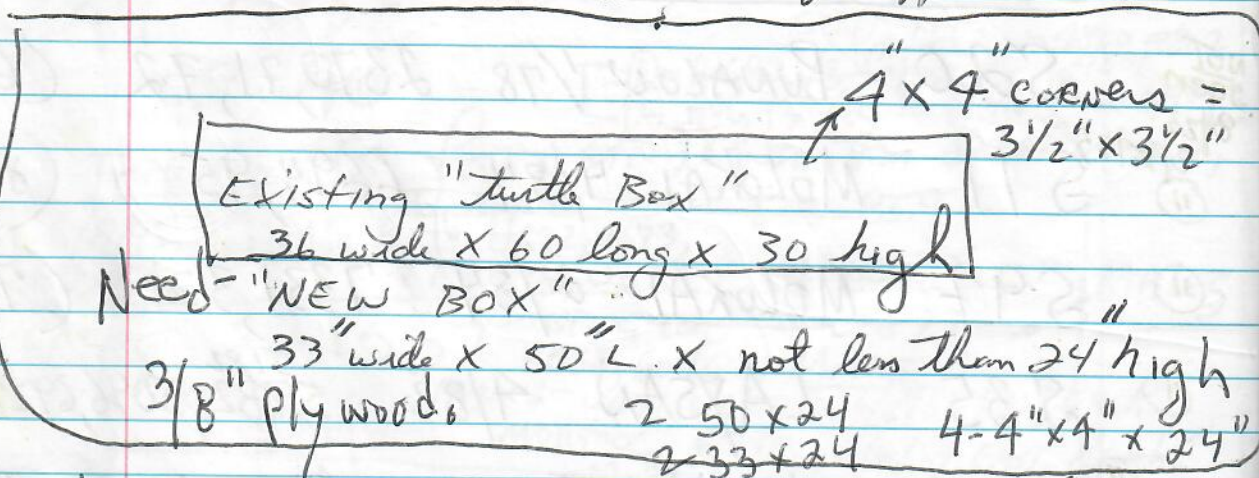
RH U275

LH U276

3 DB'S

1 Barnacle on left upper beak

3rd laty th
Bos side



8/24/93
TUES

7:30am - Attached Trans. 4803
many photos. used telonics small receiver - pulse at 9:15am

Need Call Telonics Resolved Need to hold hand received ~ 1m away to get 45 second repetitions

- ① 43 seconds
- ② 175 " (2 min. 55 sec.)
- ③ 80 " (1 min. 20 sec.)
- ④ 85 " (1 min 25 sec)
- ⑤ 300 " (5 min.)
- ⑥ 340 " (5 min 40 sec)

(continued p. 23)

TAGS AT TEEN 5/26/93

F619 - F700

SKIN BIOPSIES
EAST ISLAND, FFS 1995

List of Mototool & Tag Numbers for DNA sampled Turtles

Mototool #	Tag #
184-2	F764, F763, 5368, A347
166-3	A989, G75, G74
181-4	A357, 2218, G229, G231
106-5	W265, G51-53
220-6	A267, U906-908
101-7	G236-238, G255
118-8	B158, A892, A937, U878
147-9	958, 4255, U923-924
163-10	F249, F341, F342, U988
222-11	W430, U653
171-13	W548, W549, G242, G243
164-14	U629-632
208-15	6128, 6144, G19, G20
216-16	6675, 9778, U131, U132
137-17	G157-160
224-18	8250, 10250, F304, F563
125-19	U251, U250, U985
195-20	G246, G247, G290, G291
135-21	F559, F558, A754, A767
136-22	10133, 10134, F289, G107
89-24	U964-967
158-25	A398, A405, U969, U970
223-26	F212, U996
73-27	F491-493, U849
167-28	3954, W115, F199, G73
180-29	A233, A234, G244, G245
124-30	3201, 3202, U806, U807
173-31	A813, A909, G29
153-32	8209, 8210, G45, G46
109-33	U941, U943
169-34	G47-50
83-35	A581, 8179, 8217
155-36	A666, U897, 3804(?), G216
154-37	A578, A732, G8, G11
146-38	U829, U830
221-39	A731, F141, F244
70-40	U998, G71, G72
98-41	A668, A421, U986, G219
	G239, G240, G270, G271
	U793-796
	A208, A209, U885, U886

DNA skin plugs

A770, A771, A796, U773, GMS
9/23/95
6/95 by GMS
43 6128
44 8217
45 U31
6038 MALE
46 AHB1
47 2320 MACE
U668
U678
47 6185

Hatchling blood collection - #26 needle. Tuberculin

Straight in here



onedrop - Thin smear with cover slip. Air dry, then wash in Alcohol for one minute, then AIR DRY.

Rough up bottom of trans. w/sandpaper.
ALL surfaces

4 Masking tape
on contacts

Sanded 2nd Central and adjacent areas
with coarse sandpaper, freshwater dry, Rub
w/acetone.

Elastomer 4oz w/ 16 drops - put
on bottom of transmitter - then
applied to turtle.

8 AM TRIM

U236
4801

AMINATING Resin - 4oz, 40 drops

1st) - cloth ~~2 1/4"~~ "wide

4 pieces put along edges of
transmitter and overlapping shell.
(HARDEN)

2nd) narrow cloth - one ^{1" wide} ^{+15"} longways,
3 across. (HARDEN)

3rd) another wide piece along front
of transmitter. ^{2 oz resin, 35 drops}

4) 2 more ^{1" crosswise} ^{wide} - 1w/hole for antenna
(HARDEN)

5) FINISHING Resin (business card in it)
Mixed "hot" under glass cloth
(HARDEN)

AUG 1992
Attachment
procedure

1992 Need - Summary list of tags applied.

6/6/95 ID
TUESDAY 22133 "on" 705 pm 6/6/95
EAST sed
FFS TAG 6038 Male

3rd layer on at 10:30 pm

JUN 18 '93 12:58 USF 34 RW HONOLULU

RECOVERED TAGS: EAST ISLAND, FFS, 1993

PUNALOU 520
52 2371 + R3-4 2372
SL 673, CL 71-7
PUNALOU 1/20/78

- 531 3632 LFL, 3633 RFL / 54 3610 LFL / 56 W672 LFL
- 57 W630 RFL, W631 LFL / 58 W822 RFL, W668 LFL /
- 510 6068 RFL, 6069 LFL, 6070 L2 / 510 2999 LFL, 3002 RFL /
- 525 W676 RFL, W677 LFL / 525 W378 LFL, W379 RFL / 525 10121 RFL /
- 519 3655 LFL, W244 RFL / 519 2370 RFL, (237?) LFL / 519 3777 LFL, 5233 RFL
- 524 6073 LFL, 6075 RFL / 524 10125 RFL / 524 10335 LFL, 10336 RFL /
- 535 5782 LFL, 6927 L34, 5096 RFL / 535 A322 L34, A321 RFL /
- 537 W185 RFL, 8190 LFL / 537 10080 RFL / 537 459992 RFL / 564
- 547 7202 RFL, 7184 LFL / 547 9675 RFL, 9674 LFL / 547 3152 RFL, W503 L34
- 555 8244 L34, 3590 RFL, 10095 R34 / 555 3158 RFL, 3151 LFL /
- 560 W172 LFL / 560 5243 RFL, 5244 L1, 2692 LFL, 560 3796 LFL, 5336 R2
- 564 W383 RFL / 564 W632 RFL, W633 LFL / 564 W758 RFL, W759 LFL /
- 568 W500 RFL / UK W634 RFL / 568 3732 LFL, 3787 L34, 5216 R34, 5223 RFL /
- 574 8238 RFL, 2343 LFL / 574 5441 R34, 2242 L34 / 574 9763 RFL, 9784 LFL
- 577 W680 LFL, W681 RFL / 577 6123 R2, 2234 RFL, W752 LFL / UK 9366 RFL
- 580 W620 RFL, W629 LFL / 574
- AS OF 6/11
- 82 9346 LFL, 9347 RFL 582
- 83 10223 RFL, 10229 LFL 583
- 89 5475 LFL, 5471 RFL 569
- 96 W120 LFL 576
- 88 6183 RFL, 6192 LFL 576
- 90 10168 L34 576
- 91 A413 LFL, A412 R23 (HEAVILY TUNED) 591
- 95 W694 RFL, W695 L12 595
- 98 9779 RFL, 9780 RFL 595
- S97 7331 LFL, 7332 RFL 2/9/84 Palau Molokai SL 98.0
- 100 W686 RFL, W684 LFL 595
- 101 W640 RFL, W641 LFL 595
- 102 3422 LFL, 3411 RFL 595
- 108 W619 L34, W617 RFL 505
- 109 W268 RFL 505
- 110 W693 LFL 505
- 111 9778 RFL 505
- 112 W58 RFL 512
- 115 9680 RFL, 9691 LFL 515
- 117 2232 LFL 515
- 119 A358 LFL, 6099 L3, 6094 RFL 515
- 121 6131 LFL, 5999 RFL 515
- 125 A223 LFL, 5340 RFL 515
- 126 W737 LFL 515
- 129 10543 LFL, 10207 RFL 515

TOTAL 40
TOTAL 25

5-20

LHF F709 Curve 84.5
RHF F710 1 no straight yet.
LFL 2370 (embedded)
RFL 2370

On 6/8 a heavily tunned turtle, (S-91), nested. We'll keep our eyes open for her return. (8/9) EAST - SCORE = 0
S91 A395 RFL
A396 LFL

As of 6/15 - up to [5-143]

S173 (Tunne) #4 HF
S91 - MARKED THE NEST
S142 left FF MISSING

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL # of pages 1

To: George Baker From: Steve FWS

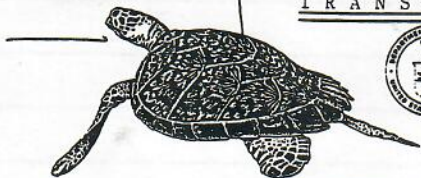
Dept: Agency Phone # 541-1201

Fax # 943-1290 Fax #

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

PACKED 6-26-93 7:48
1PC SC

TRANSMITTAL SHEET



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Fisheries Center Honolulu Laboratory
2570 Dole St. • Honolulu, Hawaii 96822-2396

Commercial: (808) 943-1221
Telefax: (808) 943-1290

TELEFAX FOR: STEVE - FWS REFUGES DATE: 25 JUNE 93

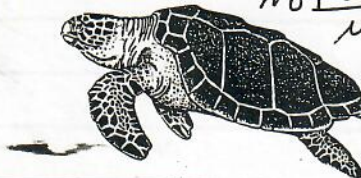
FROM: GEORGE BALAZS TELEPHONE EXT: 943-1240

NUMBER OF SHEETS TRANSMITTED (including this page) ONE

MESSAGE:

Dear Steve:
I hope you talk to Term
this morning and relay the following

- ① Please wototool both sides of
520 and 597 and 599, if
possible. We may want to locate
later in season, and this will facilitate.
- ② Please get both straight and curved
on tag 6695 (a Molokai turtle)
Please wototool both sides
- ③ Rescheck and carefully read all
old tags on 5134.
Make sure you are
not reading any tags
upside down.



I will call
you Sunday 5pm and 8pm
ACOTHA - George

National Marine Fisheries Service
2570 Dole Street
Honolulu Hawaii 96822-22396

Quadrant/FFS
Molokai

SII

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
6694	04/14/84	1681	LFL
6695	04/14/84	1681	RFL

Historical information--

Date	Encounter	Type of	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
							Interval Month	Growth-rates cm/mon	Year	Interval Month	Growth-rates cm/mon	Year
04/14/84	Near Shore		<u>Molokai, Kanukauawa</u>	0	-	83.0	---	---	---	---	---	---

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
2370	01/20/78	1681	RFL
2371	01/20/78	1681	LFL
2372	01/20/78	1681	R34

Historical information--

Date	Encounter	Type of	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter			Overall		
							Interval Month	Growth-rates cm/mon	Year	Interval Month	Growth-rates cm/mon	Year
01/20/78	Near Shore		<u>Hawaii, Punaluu Bay</u>	0	-	67.3	---	---	---	---	---	---

S20 Punaluu/FFS

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
6188	03/09/83	1681	
6195	03/09/83	1681	
9309	1/1	1-81	RFL

Lead correct?
Correct?

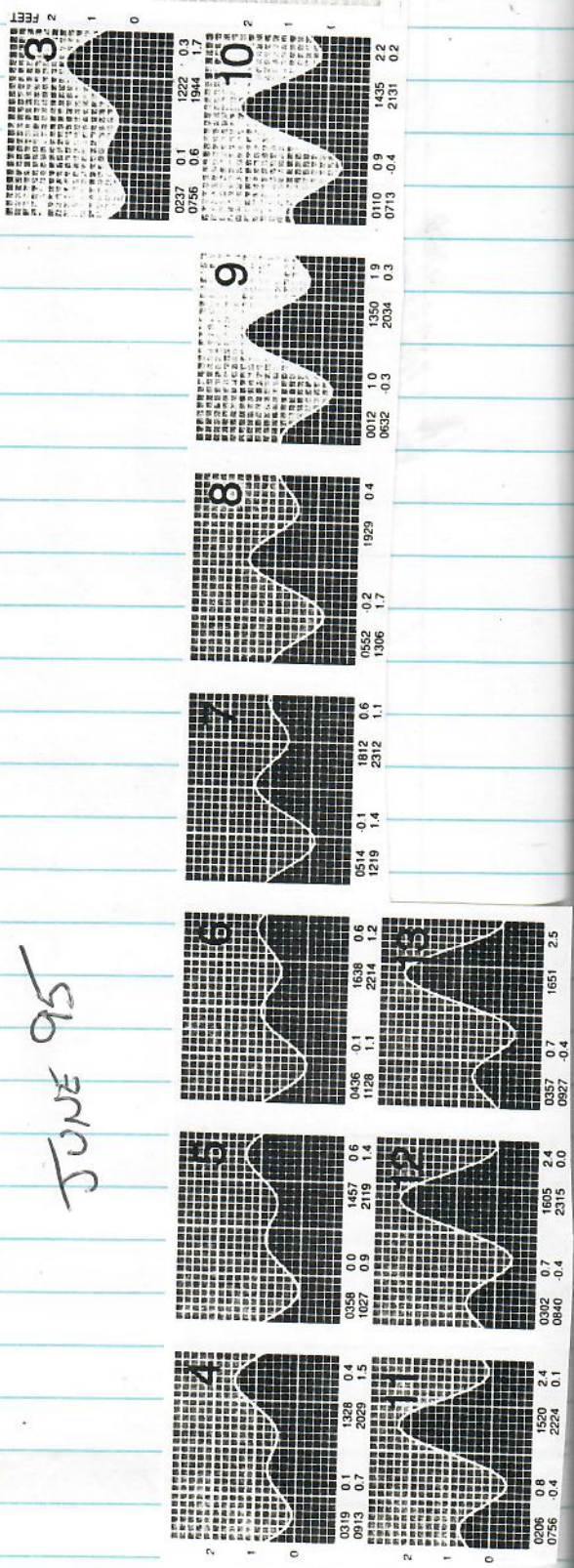
check data for this date

S134

Historical information--

Date	Encounter	Type of	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall	
							Interval Month	Growth-rates cm/mon	Interval Month	Growth-rates cm/mon
03/09/83	Stranded		Oahu, Kaneohe Bay	0	-	37.0	---	---	---	---
03/09/83	Near Shore		Oahu, Kaneohe Bay	0	-	37.0	---	---	---	---
05/24/90	Nesting		East	0	X	---	86	7.2	86	7.2
05/25/90	Nesting		East	0	P	---	---	---	86	7.2
06/08/90	Nesting		East	0	X	---	---	---	86	7.2
06/09/90	Nesting		East	0	N	---	---	---	87	7.3

JUNE 95



I. General Monitoring

The 1993 turtle season was a short season consisting of only one month of monitoring. There were 176 nesting green sea turtles (*Chelonia mydas*) identified on East Island during this time as calculated from the ID data.

Turtle Camp began on May 31, 1993 and ended June 30, 1993 according to schedule. Each night consisted of five turtle walks around the island at 21:00, 23:00, 1:00, 3:00, and 5:00 (sunset to sunrise). This meant that no more than two hours lapsed between turtle sightings. Due to the duration between walks, it is possible that some turtles that were up crawling or digging false pits were not seen. However, it is unlikely that those turtles that actually nested were not recorded as being up.

There were 110 possible nests recorded on East Island this year. Eggs were witnessed for 36 of these nests. Turtles were seen covering egg chambers (patty-caking) for 32 nests and backfilling 42 nests.

II. Data Notes

Moto-tool numbers S1 through S176 were used during the 1993 season. The turtle identified as S7 was also given the ID S26. All entries for this turtle in the data base should be listed as S7. There was one turtle this season without a moto-tool identification. This turtle, listed as UK (unknown) in the both the ID and sightings files, did have tags. Only one turtle (S50) was not given any permanent identification (i.e. tagged). All other turtles have at least one tag.

Tags F- through U- were used on East this season. Tags missapplied and recovered are: F-74, F-76, F-711, F-726, F-727, F-732, F-733, F734, F-735, F-801, F-804, F-810, F-811, U-70, U-103, U-106, U-138, U-145, U-165, U-256, and U-261. Tags lost: F-77, F-701, F-719 and F-809. One tag was listed as missapplied and left on: F-813.

III. Miscellaneous Notes

- A. Immature turtle (3135 LFL) was seen basking on the East end of East Island on 6/28/93. The turtle was not measured. This turtle has previously been seen basking at French Frigate Shoals.
- B. S79 had an old moto-tool engraving: C3.
- C. S142 had no left front flipper (gone to the joint). She was seen digging a body pit on 6/13 on the west end of East Island.
- D. A dead turtle was found on Little Gin on 6/30. The turtle was located well above the berm near the center of the island and was not tagged. Other information is as follows:

Curve Carapace Length: 98.0 cm
Curve Carapace Width: 91.5 cm
Plastron length: 79.0 cm
Plastron width: 72.0 cm
#2 tumor Right Flipper
#2 tumor Right Dorsal Neck
- E. There was one tumored turtle nest marked this year. S91 nested on 6/8/93. This nest is located South of the cinderblock pile. The stake is clearly marked with red flagging tape and is located one meter due North of the nest.



FAXED
Bollinger

9 August 1993

George Balazs
USDC/NOAA/NMFS
Southwest Fisheries Center Honolulu Laboratory
2570 Dole St.
Honolulu, HI 96822-2396
Fax (808) 943-1290

Dear George:

The satellite predicts you requested follow. There are several important points to keep in mind when interpreting these predicts.

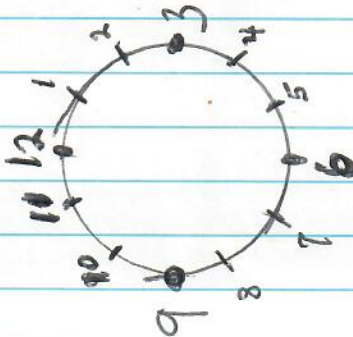
All times are given in Greenwich Mean Time (Zulu Time), and therefore must be converted to local time in the area of deployment to determine the optimal local time to start the PTT.

I believe ARGOS is primarily to exclusively utilizing data from NOAA-11 and NOAA-12, thus, to our knowledge, predictions of optimal "on-times" should be based on these satellites. Further, a new satellite has just been, or will soon be launched. This may effect use of these predictions. You may wish to verify this with ARGOS.

Passes which are very low on the horizon offer little chance of data collection or location determination. Passes very high overhead can provide good amounts of data collection; however, they often do not result in a location because of the way in which the location calculations are performed. In general, I consider passes between about 15-70 degrees elevation as "good". You should determine the optimal time to start your PTT considering the likelihood of data retrieval and location determination, and any scheduling pertinent to your data collection requirements.

Sincerely,

Bill Burger
William P. Burger
Staff Biologist



GMT - 10 hours =
HAWAII
LOCAL
TIME

MIDPOINT = $\sim 43^\circ$

ideal

8/22 Sunday
(AST=4:09 pm)
(4:16 pm)

23Aug93	NOAA-11	1698.00000	02:09:25	02:16:54	02:24	38x	a-e	25311
23Aug93	NOAA-10	1698.00000	03:18:43	03:21:43	03:24	2	a-e	36016
23Aug93	NOAA-11	1698.00000	03:50:46	03:57:29	04:04	18	a-w	25312
23Aug93	NOAA-10	1698.00000	04:53:02	05:00:35	05:08	60	a-e	36016
23Aug93	NOAA-12	1707.00000	05:04:26	05:10:40	05:16	16	a-e	11817
23Aug93	NOAA-9	1707.00000	06:04:01	06:10:48	06:17	22	a-e	44825
23Aug93	NOAA-10	1698.00000	06:34:59	06:40:36	06:46	10	a-w	36018
23Aug93	NOAA-12	1707.00000	07:06:42	06:50:17	06:57	42x	a-w	11817
23Aug93	NOAA-9	1707.00000	07:43:48	07:51:06	07:58	32	a-w	44825
23Aug93	NOAA-11	1698.00000	14:40:28	14:48:05	14:55	37x	d-e	25319
23Aug93	NOAA-11	1698.00000	16:21:31	16:28:22	16:35	20	d-w	25320
23Aug93	NOAA-10	1698.00000	17:17:59	17:25:32	17:33	52	d-e	36024
23Aug93	NOAA-12	1707.00000	17:30:12	17:36:28	17:42	14	d-e	11824
23Aug93	NOAA-9	1707.00000	18:34:22	18:41:23	18:48	21	d-e	44832
23Aug93	NOAA-10	1698.00000	18:58:57	19:04:53	19:10	13	d-w	36025
23Aug93	NOAA-12	1707.00000	19:09:01	19:16:33	19:24	47x	d-w	11825
23Aug93	NOAA-9	1707.00000	20:14:25	20:21:52	20:29	34	d-w	44833
23Aug93	NOAA-12	1707.00000	20:54:01	20:55:25	20:56	0	d-w	11826

23Aug93 passes = 18

Monday 8/23 3:57pm

24Aug93	NOAA-11	1698.00000	01:57:34	02:04:47	02:11	29*	a-e	25326
24Aug93	NOAA-11	1698.00000	03:38:07	03:45:14	03:52	25*	a-w	25326

Monday 8/23 5:58pm

SAT. PREDICTS, 23.78N, 166.22W, 0 METERS, 22 AUG - 3 SEP 93

date	object	beacon	rise	tca	set	el	geo	orbit
24Aug93	NOAA-10	1698.00000	04:29:31	04:36:42	04:43	33	a-e	36031
24Aug93	NOAA-12	1707.00000	04:44:17	04:49:25	04:54	9	a-e	11831
24Aug93	NOAA-9	1707.00000	05:51:47	05:58:05	06:04	16	a-e	44839
24Aug93	NOAA-10	1698.00000	06:09:47	06:16:29	06:23	20	a-w	36031
24Aug93	NOAA-12	1707.00000	06:21:13	06:28:47	06:36	73	a-w	11831
24Aug93	NOAA-9	1707.00000	07:30:44	07:38:15	07:45	44	a-w	44839
24Aug93	NOAA-12	1707.00000	08:05:56	08:09:13	08:12	3	a-w	11833
24Aug93	NOAA-11	1698.00000	14:28:30	14:35:51	14:43	27*	d-e	25333
24Aug93	NOAA-11	1698.00000	16:09:03	16:16:16	16:23	26*	d-w	25334
24Aug93	NOAA-10	1698.00000	16:54:25	17:01:30	17:08	28	d-e	36038
24Aug93	NOAA-12	1707.00000	17:09:55	17:14:49	17:19	7	d-e	11838
24Aug93	NOAA-9	1707.00000	18:21:59	18:28:30	18:35	15	d-e	44846
24Aug93	NOAA-10	1698.00000	18:34:18	18:41:08	18:47	23	d-w	36039
24Aug93	NOAA-12	1707.00000	18:47:26	18:55:07	19:02	81	d-w	11839
24Aug93	NOAA-9	1707.00000	20:01:26	20:09:07	20:16	46	d-w	44847
24Aug93	NOAA-12	1707.00000	20:29:53	20:34:18	20:38	5	d-w	11840
24Aug93	NOAA-9	1707.00000	21:46:52	21:48:30	21:50	1	d-w	44848

24Aug93 passes = 19

Tuesday GMT

TUES

8/24

3:45pm

3:52pm

25Aug93	NOAA-11	1698.00000	01:45:49	01:52:41	01:59	22*	a-e	25340
25Aug93	NOAA-11	1698.00000	03:25:35	03:33:00	03:40	34*	a-w	25340
25Aug93	NOAA-10	1698.00000	04:06:24	04:12:54	04:19	18	a-e	36045
25Aug93	NOAA-12	1707.00000	04:24:56	04:28:14	04:31	3	a-e	11845
25Aug93	NOAA-9	1707.00000	05:39:38	05:45:25	05:51	11	a-e	44853
25Aug93	NOAA-10	1698.00000	05:45:08	05:52:25	05:59	36	a-w	36045
25Aug93	NOAA-12	1707.00000	05:59:48	06:07:19	06:14	66	a-e	11845
25Aug93	NOAA-9	1707.00000	07:17:42	07:25:25	07:33	61	a-w	44853
25Aug93	NOAA-12	1707.00000	07:42:13	07:47:32	07:52	9	a-w	11847
25Aug93	NOAA-9	1707.00000	09:04:09	09:06:29	09:08	1	a-w	44855
25Aug93	NOAA-11	1698.00000	14:16:38	14:23:36	14:30	20*	d-e	25347
25Aug93	NOAA-11	1698.00000	15:56:40	16:04:09	16:11	35*	d-w	25348
25Aug93	NOAA-10	1698.00000	16:31:08	16:37:24	16:43	15	d-e	36052
25Aug93	NOAA-12	1707.00000	16:51:10	16:53:07	16:55	1	d-e	11852
25Aug93	NOAA-9	1707.00000	18:09:42	18:15:36	18:21	10	d-e	44860
25Aug93	NOAA-10	1698.00000	18:09:56	18:17:18	18:24	41	d-w	36053
25Aug93	NOAA-12	1707.00000	18:26:00	18:33:38	18:41	59*	d-e	11853
25Aug93	NOAA-9	1707.00000	19:48:28	19:56:21	20:04	64	d-w	44861
25Aug93	NOAA-12	1707.00000	20:07:17	20:13:06	20:18	12	d-w	11854
25Aug93	NOAA-9	1707.00000	21:32:10	21:35:55	21:39	3	d-w	44862

25Aug93 passes = 20

22 Buy Five proof safe. Kermit p.36

FFS 6/17/93 Moto 100#

via Radio no loop

✓ S6	W672
✓ S3	3632 3633
✓ S4	3610
S7	W630 W631
S8	W822 W668
S10	6068 6069 6070
✓ S16	2999 3002
S25	W676 W677
S18	10120
S19	3655 W244
✓ S20	2370 297(?) ADD Another TAG
✓ S21	3777 5233
✓ S22	6073 6075
S17	W378 W379
✓ S30	10125
✓ S33	10330 10335
✓ S35	5782 927 5096
✓ S36	A322 A321
✓ S37	W185 8190
✓ S38	5368 7181 A437
✓ S43	W662

* necessary 4/20/78 Puraville SL673 ADD Another TAG
* ADD Another TAG 6/11/81 Alyssa 82134/88 1991 90/91/92

(21) 10/11/93 1989 1989 1991

Radio talk - Alyssa 6/17/93 term

New ID 6/15/93 New ID's 143

S91 - lots of tumors

7/22/93 next flight.

CC = 845-103

6193 PRESENT?

NEED TO CHECK LOG 15
Book FOR 9309 APPLICATION
TO SEE WHAT WAS READ AT
THAT TIME.

36

Relayed by Steve
6/24/93

Need to top
both sides

Xerox also p. 22

S 20
S 97
S 91

SL = 89.0

CCL = 100 SC 92

Tried to visit 6/20/21/92

Thu 6/16

S 130

58459 R

5460

Not Found

S 128

10124

9324

X

S 132

W 664

S 138

W 691

W 692

S 133

W 767

7769

S 134

6188

9309

93909

X

S 135

W 80

S 136

W 449

S 137

W 399

W 400

S 139

10534

X

S 140

W 687

W 688

S 41

W 835

836

837

S 11

6695

X

S 144

A 240

A 241

X

S 145

3225

5407

X

S 43

W 636

W 646

S 154

W 782

W 634

X

Need S 11

6694, 6695

SCL + 2 MOTO

S 134

9309

SCL

"

6188

(8819??)

imbedded?

6193 present??

Need to log
check for 9309 tagging
As of 8/93, NOT in TDPS.

S 173
S 91
Sunday 6/27/93
Big radio w/ Kyrusa

Turnover #4
Hans Rippen
LA 101
Not marked

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
6307	08/23/82	1681	LFL
6308	08/23/82	1681	RFL

Historical information--

Date	Encounter	Location	Type of Encounter	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall	
							Interval Month	Growth-rates cm/mon	Interval Month	Growth-rates cm/mon
08/23/82	Near Shore	Lisianski Island		0	-	42.8	---	---	---	---
08/30/82	Near Shore	Lisianski Island		0	-	---	---	---	---	---
11/07/82	Near Shore	Lisianski Island		0	-	43.1	2	0.2	2	0.2

NOT certain
if recovered
at FFS in 1993

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
7331	02/09/84	1681	LFL
7332	02/09/84	1681	RFL

Historical information--

Date	Encounter	Location	Type of Encounter	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter		Overall	
							Interval Month	Growth-rates cm/mon	Interval Month	Growth-rates cm/mon
02/09/84	Near Shore	Molokai, Palaeau		0	-	78.0	---	---	---	---

S97 PALAEAU/FFS

1994

Biologist	
Admin. Support Asst.	
Secretary	
IS NWR Manager	
Site. Sci. Tech.	
Johnston	
Midway	
Tern	

I. General Monitoring

The 1994 turtle season was a short season consisting of one month of monitoring. There were 121 nesting green sea turtles (*Chelonia mydas*) identified on East Island during this time as calculated from the ID data.

Turtle Camp began on June 7, 1994 and ended July 7, 1994 consisting of 30 nights of monitoring. Each night consisted of five turtle walks around the island at 21:00, 23:00, 1:00, 3:00, and 5:00 (sunset to sunrise). This meant that no more than two hours lapsed between turtle sightings. Due to the duration between walks, it is possible that some turtles that were up crawling or digging false pits were not seen. However, it is unlikely that those turtles that actually nested were not recorded as being up.

There were 73 possible nests recorded on East Island the short season. Eggs were witnessed for 30 of these nests. Turtles were seen covering egg chambers (patty-caking) for 18 nests and backfilling 25 nests.

II. Data Notes

Moto-tool numbers Z1 through Z117 were used during the 1994 season. The turtle identified as Z77 was also given the ID Z109. All entries for this turtle in the data base should be listed as Z77. ID number Z43 was duplicated. Both turtles were identified by tag number and designated as 43A and 43B in the ID files. There were four turtles this season without a moto-tool identification. These turtles are listed as UK1, UK2, UK3 and UK4 in the both the ID and sightings files. All turtles listed in the ID files have at least one tag. Those turtles in the sightings files listed as UK without an identification number were turtles that were seen up, but, due to their proximity to seals, were not identified.

Identification data is recorded in the DBASEIII file EASTID94.DBF. This includes tag numbers applied and measurements taken for nesting females in the 1994 season on East Island. It also includes tumored turtle information. Sighting information is recorded in the DBASEIII file ESTSIG94.DBF. This file contains the turtle activity for each night of monitoring.

Tags U302-U396 were used on East this season. Tags misapplied and recovered are: U302, U336, U593, U597, U560, U455, U377, U335, U503, U485, U320, U467, U379, U371, U541, U484, U529, U336, U591, U592, U573, U358, U517, U533, U551, U388, U494, U501, U502, U504, U505, U506. Tags lost: U377, U386, U390, U394, U500, U529 and U533.

III. Miscellaneous Notes

- A. Immature turtle was seen basking on the East end of East Island on 7/5/94. No tags were read or measurements taken. It is believed that this is the same immature turtle that has been seen basking in previous years on East Island.
- B. There were six tumored turtles identified during the 1994 season. These were listed as Z26, Z33, Z93, Z105, Z107 and Z116. Tumor information (i.e. location and size) are found in EASTID94.DBF. Three other turtles had grey lumps approximately 1 cm in diameter.

These turtles are Z18, Z50 and Z56 (Z18 had 11 lumps). The lumps did not appear to be tumors, but their positions are listed in the data base.

- C. A mature female turtle was found on the runway on Tern Island on 6/9/94. This turtle was tagged, measured and released. Tag information is as follows:

F619 RHF, F620 LHF, F621 RFL, F622 LFL
Curved carapace length: 102.5 cm

- D. A significant number of male baskers were seen late into the season. During the first week of July, a minimum of 5 males were seen basking on East Island. Isolated males (those removed from other baskers and seals) found basking were tagged and measured. They are recorded as M1-M7 in the file EASTID94.DBF.
- E. Clutch size was collected for ten turtles. One of these turtles was heavily tumored. Data collected was as follows:

Z9: 6/13/94 105 eggs
 Z33: 6/13/94 124 eggs (heavily tumored)
 Z75: 6/19/94 110 eggs
 Z81: 6/20/94 45 eggs plus 1 spacer
 Z86: 6/21/94 82 eggs plus 2 spacers (Pit too small. Broke at least one egg while covering nest. A few other eggs not covered.)
 Z90: 6/21/94 125 eggs
 Z37: 6/29/94 112 eggs
 Z43B: 6/30/94 104 eggs
 Z113: 7/5/94 111 eggs (nest marked)
 Z91: 7/6/94 87 eggs

Tag information--

Tag Number	Date Tagged	Tag Type	Tag Position
5096	06/01/81	1681	RFL
5182	04/03/82	1681	LFL
6926	11/02/84	1681	RFL
6927	11/03/84	1681	LFL

Historical information--

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter:		Overall	
						Interval Month	Growth-rates cm/mon	Interval Month	Growth-rates cm/mon
04/03/82	Near Shore	Laysan Island	0	-	89.0	---	---	---	---
06/16/84	Near Shore	Laysan Island	0	-	---	26	2.2	26	2.2
11/02/84	Near Shore	Laysan Island	0	-	---	4	0.3	30	2.5
11/03/84	Near Shore	Laysan Island	0	-	---	---	---	31	2.6
06/04/88	Nesting	East	0	N	---	43	3.6	74	6.2

Date	Type of Encounter	Location	Tumor Score	Nesting Activity	Straight Length	Since Last Encounter:		Overall	
						Interval Month	Growth-rates cm/mon	Interval Month	Growth-rates cm/mon
06/14/88	Nesting	East	0	B	---	---	---	74	6.2
06/18/88	Nesting	East	0	N	---	---	---	74	6.2
06/21/88	Nesting	East	0	B	---	---	---	74	6.2
06/29/88	Nesting	East	0	N	---	---	---	74	6.2
07/12/88	Nesting	East	0	N	---	---	---	75	6.3
07/24/88	Nesting	East	0	C	---	---	---	75	6.3
07/25/88	Nesting	East	0	P	---	---	---	75	6.3
05/17/90	Near Shore	Laysan Island	0	-	---	21	1.8	97	8.1
04/26/91	Near Shore	Laysan Island	0	-	---	11	0.9	108	9.0
05/02/91	Near Shore	Laysan Island	0	-	---	---	---	108	9.0
06/20/91	Near Shore	Laysan Island	0	-	---	1	0.1	110	9.2
07/03/99	Near Shore	Laysan Island	0	-	---	19	1.0	138	10.8

S35 LAYSAN/FFS

FFS List

2 tents with 10 tent spikes
tent cord to secure tents during high winds
umbrella

Ice Chest

5 sample jars
12 rags
coarse sandpaper
15 paint brushes
1 hammer
1 2oz container of catalyst
15 pair latex gloves
1 qt of laminating resin
1 pt of sanding resin
5 ziploc kits for egg collection
1 roll of green duct tape
1 can acetone
6 garbage bags
1 new elastomer
.25 bottle of old elastomer
2 old elastomer catalyst
14 cups for mixing resin
5 small ziploc bags
16 nails
1 scrub pad

- 8 ft of TIT wire

Other needs

hatchling tags
tick or bug spray
small water jug to rinse turtle shell when cleaning

- caliper

3 0171

Tupperware Kit -in ice chest
5 betadine swabs
1 small knife
2 sonic trans.
3 eye droppers.
needle nose pliers
dremel tool and dremels
4 of Geo's business cards
2 putty knives/1 tape measure
1 pair of pliers/1 pair of scissors
1 roll of masking tape to cover metal contacts on trans.
16 tongue depressors
4 fiberglass cloth kits

Tag information--

Need
 water party turtles
 got turtles

Need to
 enter IDs

EAST

4803
 MOTO TOOTH
 3rd tooth
 100 sides

2
 8/23/93
 Monday
 SCL 90.1 X 69.3 SCW

CCL 97.0 X 87.0 CCW

SCOPE: Protob, Left eye 1#2 on posterior & 1#1 anterior corner
 Rt eye 1#1 on posterior corner

Newby Applied TAGS
 LFL 4273 RFL 4274 P23 h/ing
 RH 4275 LH 4276 No tagging
 3DB'S O Bangle on left upper beak

8/24/93 7:30am - Attached Trans. 48 US
 TUES many photos. used telonics Small
 receiver - pulse at 9:15am 4803

Released
 10 AM
 8/24/93
 Russ video + photos

Expedition # 39

21

23 AUGUST 93

MONDAY

DEPART 7:45am GB, RM, Bob Justman,

MAX (COPILOT) PIPER PA 23-250

#4400
NMFIS
Charter

N40370, built 1973
FAA Reg. No. MFG. Serial No. 27-7305123.

OBJECTIVES; ① Deploy TWO MORE SATELLITE TRANSMITTERS ON NESTING TURTLES.
② Blood smears from hatchlings

ITEMS needed at Tern for EAST: ① sleeping pads
② FOLDING CHAIRS ③ FOOD ④ TOILET PAPER ⑤ WATER
⑥ WOOD BOX/NAILS ⑦ CALIPER ⑧ MATCHES
⑨ WHITE BUCKETS (2) ⑩ SHOVEL

Arrive Tern ~ 10:50 AM.
15-20KT

Depart for East ~ 1:15pm arrive 2pm
CHRIS, RUSS & I in FWS boat; STEVE & ♀ NMFIS VOLUNTEER & OUR GEAR in NMFIS boat.

Fill 3 transmitters on 3:55 PM NST;
→ TRANS. 4805 OFF ~ 9AM 8/25/93 ON EAST

At 5:45 pm turtle seen on Bern SEP
Digging - Sun High - sunset ~ 7:15 PM
Turned Box on turtle - no tags, no
S mototool. Small TMR's eyes.
Data p. 2.

22

9 pm

~~8/23/93~~

8/23/93
Monday

S147 seen up Area 8 machinery -
2 existing hind flipper tags.
LFL application attempted, but
tripped out. RFL successful
TAG U278

BAD
U277

9:30 pm

END emergency - slow. BASH?
Sand point - No Mototool. Left
marginals missing - healed. LFL tag present -
couldn't read it.

11 am

Hatchling preyed upon by UVA?
Large.
Plus Ghost grabs.

8/23

Hatchling emergence seen. Slow ~~photo~~
ALREADY out when first seen. ~ 5 min later
movement started toward sea, away from
1/2 moon, toward NE.

8/24/93

Photo
nesting

(S131) up nesting W225 present
on LFL. RFL fresh slit
appearance.

1:45 am

Turtles up on Sand point -
Nearly all of left marginal missing.
New tags applied
U279 LH
U280 RH

A288 ALREADY ON LFL.

Checked again at 4 am. A288 still crawling
on SP.

8/24/93
TUES.

8/24 5 pm.
Slightly deformed
incubated from S147

8/24/93
5:14 am
seen
photoed
nesting

CONTINUED FROM

P. 2

MOTOTOOL 4803

3rd Cat Both sides 23

8/24/93 Turtle 4803 released at 10 AM.
TUB3. photos. + Russ' video.

TAG

NOT ON A TURTLE

U281 pounded into 6" X 6" X 5' PLASTIC "lumber" - Thrown into water off south side of East - drifted toward Fa Perouse

Checked island with Radiation monitor. No elevated levels found.

Pulled numerous stakes left from marking nests over the past few years. Frigate birds perch on them. Hauled an existing basket of glass bottles to south side and "released" narrow neck floaters. Watched them head toward Fa Perouse.

ALL TAGS R3-4

8/24 5 pm, slightly defomed separated from single nest

YE01 YE02 Double tagged
3 4
5 6
7 8

YE9 - YE50 Single tagged (2 not used on turtles - TEST)

44 tagged ; 1 not tagged = 45

Blood from 5 of the above - Thin Swear dried into 90% alcohol. 9 sides total

24 U282?

metotool S-146 BOTH SIDES 3rd Lateral

U282 BAD

8/25/93
Wed AM

RH U205 LH U204 LFL U283
SL 90.4 X N 89.9 X SW (NT)
CCL 96.0 X CW 83.5

U285
applied P3-4
(fresh tom
slit in RFZ)

6:45 AM - 9:15 AM finish
coat applied

4804

Time of release = 10 AM into North
Video by Russ - ^{shore} waters.
SAME ATTACHMENT PROCEDURE.

4804 ID ST-3 TRANSMITTER
Series of photos.
1-#2 ^{turner} shriveled - DORSAL RIGHT HAND FLIPPER.

Date: Fri, 9 Jun 1995 11:31:08 GMT
From: "Automatic Distribution Service (301) 925 4411" <ADSU@argosinc.com>
To: GBALAZS@honlab.nmfs.hawaii.edu
01092 04804 2 6 D 8/93 EAST ABAY?
1995-06-08 00:03:43 1 112 13653 7168

NEED TO
Call Bill Burger

TRANSMIT PULSES
USING TELONICS Receiver.

4804
(105 seconds)
① 1:45
② :40
③ 1:30
(90 sec)
④ :40
⑤ :45
⑥ :40
⑦ :44

⑧ (138 sec.) 2:18
⑨ :40
⑩ 3:52
(232 sec)

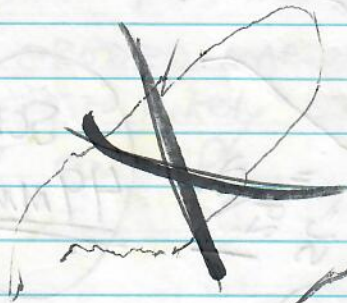
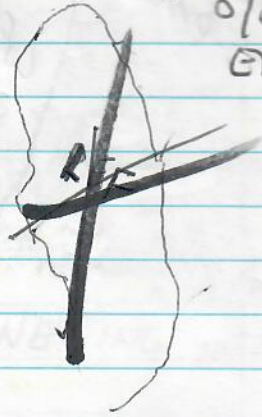
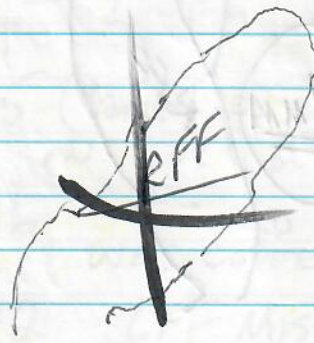
Resolved Bill determined that
late 93 ^{HAND} receiver unit needed to
be set ~ 1m from
transmitter for it to
work properly - ie
go off every 45 seconds.

Date: Fri, 9 Jun 1995 11:31:04 GMT
From: "Automatic Distribution Service (301) 925 4411" <ADSU@argosinc.com>
To: GBALAZS@honlab.nmfs.hawaii.edu
TRIS 0273-0276
8/10/95 EAST KRAY 7

Date: Fri, 19 Jun 1995 11:31:04 GMT
From: "Automatic Distribution Service (301) 925 4411" <ADSU@argosinc.com>
To: GBALAZS@honlab.nmfs.hawaii.edu
8193erST KBAY? TRAS 0273-0276

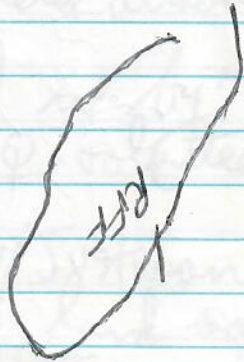
04804 Date : 08.06.95 00:03:42 LC : Z IQ : 00
Lat1 : ??????? Lon1 : ??????? Lat2 : ??????? Lon2 : ???????
Nb mes : 001 Nb mes > -120dB : 000 Best level : -127 dB
Pass duration : ? s NOPC : ?
Calcul freq : 401 650000.0 Hz Altitude : 0 m
112 13653 7168

FRONT FLIPPER TRACING 25
FROM HATCHLINGS 8/24/93pm
EAST, FFS



12/06
" 78

49mm
SCL

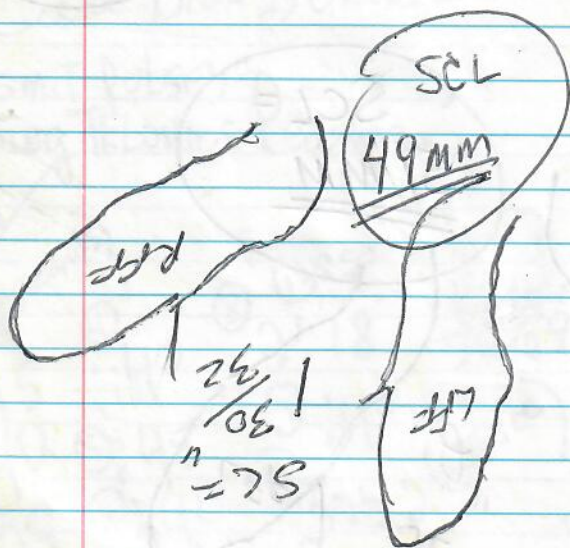
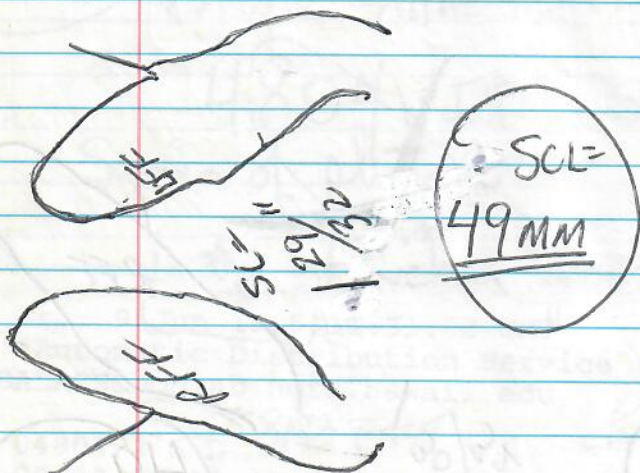


SCL =
51mm

2
" 78



26
FRONT FLIPPER
TRACINGS, EAST FFS
8/24/99 P.M.



8/24/93 • 8:30 - 9:30pm ISLAND WALK - check

- S25 (large 103 ocl) up area 5
IN BOX - BUT TURNED IT OVER AND ESCAPED
By 11:30pm!!
- S146 - TURNED OVER ON SP AT ~ MIDNIGHT,
WAS COVERING UP - APPARENTLY SUCCESSFULLY
NESTED.
- S142 LFF MISSING, NESTING IN AREA 6
U197 RING,
ADDED NEW U284 RFL
Released ~ 3AM - NOT SUITED FOR SATELLITE.
- NO MOTOTOOL - ERODED MARINALS
A288 ON LEFT - LIKELY SUCCESS
NEST ON SP.

Noted "Mount Balazs" accumulating Rubbish
that drifts ashore.

Note since LAST AUGUST, "Pontoon" object
has washed ashore ~ 9-11 AREA. Rusted
steel. Buried in sand.

Continuing appearance of South shoreline growing,
EROSION TO North Shore.

8/25/93 Completed attachment of 4804 to S146,
Wednesday
picked up by ^{WAFS} Steve _____ and
WAFS ♀ volunteer.

Depart w/ Justman ~ 12:30 am. Had to
immediately land again - door not closed tightly.
Depart 1:15 pm arrived about 4:15 pm.
Honolulu

Aug = 31 days
Sept = 30 days

Fe.
TBAE

1992
4800
4801
4802

1992 Summary

U260 = 87cm

23 days covering 1130km
on 2.0 km/hr

1992

U236 = 85cm (Tumors)

26 days covering 1260 km
on 2.0 km/hr

4803 = Southern Route
Similar to U260 &
U236 deployed 8/93
East IS.

4804 = "Island Hopper"
MIGRANT

6076ft = 1 NM = 1.852 Km

FFS - Honda, 480^{nm} miles straightline = 890 Km

Deploy
EAST I
Release
1000
3/24/9
TMR S
2 #15, 1
1000
/25/9
4804
TMR
SCOPE
1
1-#2
regress

Deployed EAST IS.
Released =

4803 & 4804

1993
Summaries

DISTANCE TRAVELED

Km per Hour
per Hour

OFF THE AIR

1000h
8/24/93

SCL

TAGS

DEPART
FFS

Arrive

Kaneohe Bay

4803

90.1cm

NEW U-273

9/4/93

9/30/93

TMR SCORE = 1
(2 #1's, 1 #2)

CCL = 97.0

(NO EXISTING MOTOTOOL from 6/93 - NO recorded 6/93)

(11 days after deployment)

1180 KM

(26 days) 631 hours

1.9 Km per Hour

1/15/94

(4 MON 3wk)

IN ARBY MONITORED = 3.5 months

1000h
8/25/93

SCL =

90.4cm

U-204
U-205

9/1/93

9/27/93

4804

(6/93 Mototool S-141)

(7 days after deployment)

600 NM
1110 KM

(26 days) 621 hours

1.0 KNOTS

1/8/94

(4 mo 2wk)

IN ARBY MONITORED = 3.5 months

TMR SCORE = 1

CCL = 96.0

NEW TAGS U283, U285

(1-#2 regressing)

dsu@argos5.DNET.NASA.GOV Tue Aug 24 06:03:28 1993
000000000000

Received: from ARGOS5.DENet MAIL11D_V3 by east.gsfc.nasa.gov (5.57/Ultrix3.0-C)
id AA11390; Tue, 24 Aug 93 12:03:12 -0400

Date: Tue, 24 Aug 93 12:03:11 -0400

Message-Id: <9308241603.AA11390@east.gsfc.nasa.gov>

From: dsu@argos5.DNET.NASA.GOV (Automatic Distribution Service
To: "gbalazs@uhunix.uhcc.hawaii.edu"@east.DNET.NASA.GOV

04804 Date : 24.08.93 02:05:15 LC : 2

Lat1 : 23.796N Lon1 : 166.180W Lat2 : 28.808N Lon2 : 143.782W

Nb mes : 014 Nb mes > -120dB : 000 Best level : -122 dB

Pass duration : 705s Dist track : 11

Calcul freq : 401 649947.8 Hz Altitude : 0 m

255 00 00 00

00 00

04804 Date : 24.08.93 03:44:44 LC : 3

Lat1 : (23.788N) Lon1 : (166.207W) Lat2 : 17.965N Lon2 : 168.169E

Nb mes : 011 Nb mes > -120dB : 000 Best level : -130 dB

Pass duration : 610s Dist. track : 12

① AUG 93

4803

4804

4803 ON TURTLE 8/24/93
(GMT 8/24 2000) HST;

SEEN NEXTING 8/25/93

(GMT 8/25/93 0300 HST

4804 ON TURTLE

8/25/93

(GMT 8/25/93 1000 HST

2000)

ON EAST ISLAND
WGS84

Very Accurate 3= WITHIN 100 meters

24

Metastool S-146

Both sides 3rd lateral

100808

Need to enter TIPS

8/25/92

Wed AM

RH 4205 LH 4204 LFL 4283

SL 90.4 X N 89.9 X SW (NT)

U 285

applied R3-4 (fresh turn slit in RL)

CCL 96.0 X CW 83.5

6:45 AM - 9:15 AM finish coat applied

4804

Time of release = 10 AM into North shore waters. Video by Russ -

SAME ATTACHMENT PROCEDURE.

4804 ID ST-3 TRANSMITTER

Series of photos.

1-#2 Shriveled - DORSAL LIGHT HAND FLIPPER.

[9] From: Timothy Ragen 6/13/94 3:37PM (328 bytes: 5 ln)
To: George Balazs
Subject: turtle hooking

----- Message Contents -----
Mitch sent following:

Adult female, did not see tags. On Gin I. 6/9. Hook barb only, in left neck. Turned over then pulled out. Will return hook on flt. Victoria has pictures.

Tags read from Green turtles at East I
French Frigate Shoals 8-11 June 94

S: 1 Z-1 A211 (rf), 3140 (1f1)

Z-2 W394 (1f1)

REMARKS: Z-3 A-393 (rf), A-393 (1f1)

UK 3723 (rf), A-575 (UKF)

Z-4 A-369 (rf), A-370 (1f1)

Z-5 ? 87 (rf), 10357 (1f1)

Z-9 W519 (rf)

Z-10 3161 (rf), 3139 (1f1), A-568 (1hs)

UK W530 (1f1)

Z-13 932 (rf), 9263 (1f1)

Z-15 A-286 (134), 10072 (1f1)

Z-16 A-273 (rf)

Z-18 10159 (1f1)

UK W282 (rf), 5361 (1f1)

1987 em
1991 east
westing

1994 FFS-EAST MONITORING

TAGS sent on Cromwell with
Susan Pultz and Alyssa Ward ^{SAT.} 6/4/94

U301-U999

Departed for
FFS Tues.
via Cromwell

Camp taken down 7/10 Sat. - Last night
of monitoring Friday 7/9/94

[9] From: Timothy Ragen 6/17/94 6:59AM (2551 bytes: 55 ln)
 To: George Balazs
 Subject: from ffs

----- Message Contents -----

Rec'd the following:

George-Everything is going well!The new tent is like the Hilton..cooler during the day due to the larger fly.Fewer turt.&seemingly more ticks than last year,but no problems with the ticks yet.Data files are set up.Alyssa input 6/8-10 data and I'm proofing hers and inputting 6/11-14 tonight.Haven't seen many male baskers,but have seen numerous pairs of copulating turt.I've counted two clutches.One non-tumored turt with 105 eggs and one heavily tumored with 124 eggs.Hope all's well there.We're enjoying ourselves immensely, working hard (of course) and appreciating the waxing moon.Hello to Yonat.Susan

Date Turtup NewID #Nests

6/8/94	9	8	0
6/9/94	13	10	0
6/10/94	15	4	1M
6/11/94	10	5	1M,1P
6/12/94	16	8	3M
6/13/94	10	4	3N
6/14/94	16	9	2N,1P

Recovered Tags - 6/10/94 - 6/14/94

Tag Number Tag Position

W291	RFL
7464/7461/7463	RFL/LFL/RHF 1983 JATA; EAST 1985
W784/W783/A588	RFL/LFL/LHF
10188/A273	RFL/LFL
A552/4264/?65/W626	LHF/LFL/L23 (embedded) /RFL- ^{east} 5/88 5/20/92, 5/21/90
W280	LFL
W754/W755	RFL/LFL
6001-5/81-7/89 east	LFL
W809	RFL
3604/3671	LFL/RFL-6/18/85 east
3630-not in TDPS	LFL
A646	LHF
W814/W815	RFL/LFL
A343	RFL
W731/W732	RFL/LFL
W436/W174	RFL/LFL
5060 east 6/85; 5/90	LFL

[26] F
 To: Ge
 Subjec

day ol

619 A2

619 A2

619 A

619 31

619 37

619 A3

619 10

9/619 10

9/619 A2

619 A2

619 A2

88 619 A2

619 A2

619 1

619 A

619 ?

621 A

621 W

621 A

621 3

622 6

92 89 622 R

89 622 W

622 W

622 W

623 3

92 623 3

623 5

623 W

88 623 3

623

624

624

625

625

625

625

626

626

626

[11] F

To: Ge

Subjec

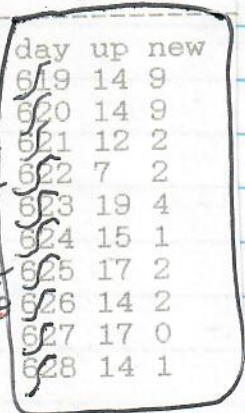
turts

not en

[26] From: Timothy Ragen 7/1/94
To: George Balazs
Subject: from ffs

1994

day	oldtag	day	up	new
619	A253 ^{E 91}	619	14	9
619	A254 ^{E 91}	620	14	9
619	A575 ^{E 91}	621	12	2
619	3182 ^{E 85}	622	7	2
619	3723 ^{E 89}	623	19	4
619	A329 ^{E 91}	624	15	1
619	10042 ^{E 88}	625	17	2
91	619 10038 ^{E 88}	626	14	2
91	619 A277 ^{E 88}	627	17	0
619	A278	628	14	1
619	A374			
88	619 A365 ^{E 91}			
619	A366 ^{E 91}			
619	10161 ^{E 91}			
619	A304 ^{E 91}			
619	?71			
621	A905 ^{E 89}			
621	W323 ^{E 92}			
621	A615 ^{E 92}			
621	3756 ^{E 89}			
622	6001 ^{E 89}			
92 89	622 F607 ^{E 89}			
89	622 W489 ^{E 89}			
622	W762 ^{E 90}			
622	W763 ^{E 90}			
623	3706 ^{E 89}			
92	623 3850 ^{E 89}			
623	5361 ^{E 89}			
623	W282 ^{E 89}			
88	623 10572 ^{E 89}			
623	10573 ^{E 89}			
624	W380 ^{E 89}			
624	W280			
625	A351 ^{E 88}			
625	10562 ^{E 91}			
625	10561 ^{E 89 85}			
625	W855			
626	3616			
626	W519 ^{E 89}			



from Tern:

SPLA CLINK 07/06/94 00:1

date	oldtgs	dat	up	new
6/27	6261	629	14	1
6/27	?48	630	20	2
6/30	A293	701	17	0
6/30	A29?	702	10	1
		703	10	0

ALL ORIGINALS TAGGED AT EAST, MS

[11] From: Timothy Ragen 6/25/94 10:09AM (254 bytes: 4 ln)
To: George Balazs
Subject: from Tern

----- Message Contents -----
Message from Tern:

turts up: 6/15=22, 6/16=21, 6/17=18, 6/18=11. Old tag 1st later. data not entered til 6/22eve.

See p. 124 for 1993

6/8-7/3/94

RETURN TO G. BALAZS

DAILY TOTALS (PM-AM) FOR ADULT FEMALE GREEN TURTLES NESTING
AT EAST ISLAND, FRENCH FRIGATE SHOALS

1994 DATE	TOTAL NO. TURTLES UP	NO. OF NEW TURTLES IDed	NUMBER OF NESTS N/P/M	YOUR NAME	COMMENTS
1 06/08/94	9	8	0	AW	
2 6-9-94	13	10 ^{1st obs.} partially	0	AW	
3 6-10-94	15	4 ⁵	1m	AW	
4 6-11-94	10	5	1M 1P	AW	
5 6-12-94	16	8	3M	SP	
6 6-13-94	10	4	3N	SP	turned - 124 marked - 105
7 6-14-94	16	9	2N, 1P	SP	
8 6-15-94	22	11	2N, 1M	AW	
9 6-16-94	21	12	1N 2P 3M	AW	
10 6-17-94	18	10	1N 1P 1M	AW	
6-18-94	11	5	2M, 1P, 1N	AW	
6/20	14	9	1N 1P	SP	
6/21	12	2	3N	SP	
6/22	7	2	2N	SP	
6/23	14	9	1N, 1P	SP	
6/23	19	4	1N, 5M	AW	
6/24	15	1	1N, 1P, 3M	AW	
6/25	17	2	2N, 4M	AW	
6/26	13	2	1N 2P 1M	AW	
6/27	14	2	1N 2P	SP	
6/28	17	0	2N 2P 3M	SP	
6/29	14	1	3N, 2P	SP	
6/30	20	2	3N, 1P	SP	
7/1	17	0	1N, 1M	AW	
7/2	10	1	0x1	AW	
7/3	10	0	2M	AW	

Subtotal
Day 10 81 = 1994
149 = 1995

GHB
start

02-13 JUNE 95

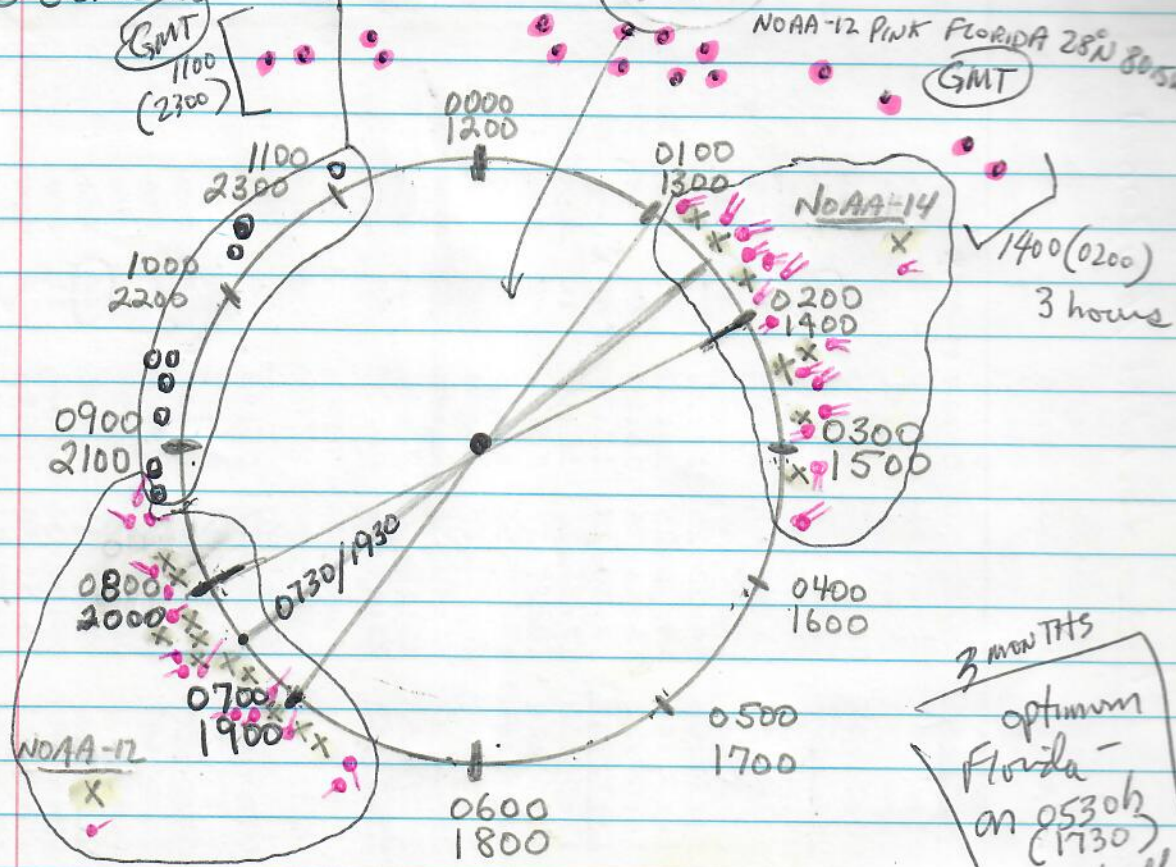
NOAA-9

HST

NOAA-12 PINK FLORIDA 28°N 80.5W
GMT

GMT
1100
(2300)

GMT



GMT
0830
082 (2030)



NOAA-14
Yellow
Florida
28°N
80.5W

GMT

1-9 Aug 95

o = NOAA-9

x = ideal elevations

• = acceptable

Preferred turn-on times

7:00 - 7:15 PM OR AM

GMT - 10 hours =
Hawaii local time
(HST)

* = excellent
O = acceptable

date	object	beacon	rise	tca	set	el	geo orbit
							166,206W
		FFS	East Island	23.786N			
Fri 02Jun95	NOAA-14	1707.0000	00:02:34	00:10:25	00:18	71	a-w 2166
Fri 02Jun95	NOAA-14	1707.0000	01:48:14	01:51:30	01:54	2	a-w 2168
Fri 02Jun95	NOAA-11	1698.0000	02:01:20	02:04:23	02:07	2	a-e 34462
Fri 02Jun95	NOAA-11	1698.0000	03:36:12	03:43:59	03:51	60	a-e 34462
Fri 02Jun95	NOAA-12	1707.0000	04:55:32	05:02:53	05:10	47*	a-e 21028
Fri 02Jun95	NOAA-11	1698.0000	05:18:52	05:24:41	05:30	11	a-w 34463
Fri 02Jun95	NOAA-9	1707.0000	05:45:57	05:48:51	05:51	2	a-e 53980
Fri 02Jun95	NOAA-12	1707.0000	06:36:57	06:42:57	06:48	13	a-w 21029
Fri 02Jun95	NOAA-9	1707.0000	07:20:52	07:28:27	07:36	61	a-e 53980
Fri 02Jun95	NOAA-9	1707.0000	09:03:34	09:09:09	09:14	10	a-w 53981
Fri 02Jun95	NOAA-14	1707.0000	10:56:56	11:02:47	11:08	10	d-e 2173
Fri 02Jun95	NOAA-14	1707.0000	12:35:46	12:43:40	12:51	62	d-w 2174
Fri 02Jun95	NOAA-14	1707.0000	14:20:06	14:23:25	14:26	3	d-w 2175
Fri 02Jun95	NOAA-11	1698.0000	14:32:44	14:35:26	14:38	1	d-e 34469
Fri 02Jun95	NOAA-11	1698.0000	16:08:31	16:16:26	16:24	65	d-e 34470
Fri 02Jun95	NOAA-12	1707.0000	17:22:47	17:30:23	17:37	48*	d-e 21036
Fri 02Jun95	NOAA-11	1698.0000	17:50:38	17:56:26	18:02	10	d-w 34471
Fri 02Jun95	NOAA-9	1707.0000	18:16:39	18:19:37	18:22	2	d-e 53987
Fri 02Jun95	NOAA-12	1707.0000	19:03:46	19:09:56	19:16	14	d-w 21037
Fri 02Jun95	NOAA-9	1707.0000	19:52:43	20:00:35	20:08	68	d-e 53988
Fri 02Jun95	NOAA-9	1707.0000	21:34:52	21:40:31	21:46	10	d-w 53989
Fri 02Jun95	NOAA-14	1707.0000	22:14:53	22:19:40	22:24	6	a-e 2180
Fri 02Jun95	NOAA-14	1707.0000	23:51:45	23:59:38	00:07	89	a-e 2180

Fri 02Jun95	passes = 23						
Sat 03Jun95	NOAA-14	1707.0000	01:36:02	01:40:37	01:45	5	a-w 2182
Sat 03Jun95	NOAA-11	1698.0000	03:24:04	03:31:42	03:39	44	a-e 34476
Sat 03Jun95	NOAA-12	1707.0000	04:34:21	04:41:18	04:48	28	a-e 21042
Sat 03Jun95	NOAA-11	1698.0000	05:05:49	05:12:17	05:18	15	a-w 34477
Sat 03Jun95	NOAA-12	1707.0000	06:14:21	06:21:09	06:27	23	a-w 21043
Sat 03Jun95	NOAA-9	1707.0000	07:08:01	07:15:31	07:23	44	a-e 53994
Sat 03Jun95	NOAA-9	1707.0000	08:49:45	08:56:06	09:02	15	a-w 53995
Sat 03Jun95	NOAA-14	1707.0000	10:46:52	10:51:55	10:56	6	d-e 2187
Sat 03Jun95	NOAA-14	1707.0000	12:24:56	12:32:53	12:40	81	d-w 2188
Sat 03Jun95	NOAA-14	1707.0000	14:08:18	14:12:48	14:17	5	d-w 2189
Sat 03Jun95	NOAA-11	1698.0000	15:56:18	16:04:05	16:11	47	d-e 34484
Sat 03Jun95	NOAA-12	1707.0000	17:01:27	17:08:38	17:15	28	d-e 21050
Sat 03Jun95	NOAA-11	1698.0000	17:37:49	17:44:14	17:50	15	d-w 34485

Sat 03Jun95	NOAA-12	1707.0000	18:41:28	18:48:25	18:55	24	d-w 21051
Sat 03Jun95	NOAA-9	1707.0000	19:39:47	19:47:35	19:55	48	d-e 54002
Sat 03Jun95	NOAA-9	1707.0000	21:21:19	21:27:41	21:34	14	d-w 54003
Sat 03Jun95	NOAA-14	1707.0000	22:05:17	22:09:02	22:12	4	a-e 2194
Sat 03Jun95	NOAA-14	1707.0000	23:41:01	23:48:51	23:56	69	a-e 2194

HST

6/19/95
1855

2120

0235

0722

1835

2108

0701

0939

1341

Sat 03Jun95	NDAA-12	1707.0000	18:41:28	18:48:25	18:55	24	d-w	21051
Sat 03Jun95	NDAA-9	1707.0000	19:39:47	19:47:35	19:55	48	d-e	54002
Sat 03Jun95	NDAA-9	1707.0000	21:21:19	21:27:41	21:34	14	d-w	54003
Sat 03Jun95	NDAA-14	1707.0000	22:05:17	22:09:02	22:12	4	a-e	2194
Sat 03Jun95	NDAA-14	1707.0000	23:41:01	23:48:51	23:56	69	a-e	2194
Sat 03Jun95	passes = 18							

Sun 04Jun95	NDAA-14	1707.0000	01:24:17	01:29:45	01:35	9	a-w	2195
Sun 04Jun95	NDAA-11	1698.0000	03:12:02	03:19:26	03:26	32	a-e	34490
Sun 04Jun95	NDAA-12	1707.0000	04:13:32	04:19:46	04:25	16	a-e	21057
Sun 04Jun95	NDAA-11	1698.0000	04:52:57	04:59:54	05:06	21	a-w	34491
Sun 04Jun95	NDAA-12	1707.0000	05:52:06	05:59:23	06:06	40*	a-w	21057
Sun 04Jun95	NDAA-9	1707.0000	06:55:21	07:02:35	07:09	32	a-e	54008
Sun 04Jun95	NDAA-9	1707.0000	08:36:11	08:43:03	08:49	21	a-w	54009
Sun 04Jun95	NDAA-14	1707.0000	10:37:08	10:41:01	10:44	3	d-e	2201
Sun 04Jun95	NDAA-14	1707.0000	12:14:09	12:22:06	12:30	78	d-e	2202
Sun 04Jun95	NDAA-14	1707.0000	13:56:49	14:02:09	14:07	8	d-w	2203
Sun 04Jun95	NDAA-11	1698.0000	15:44:09	15:51:44	15:59	34	d-e	34498
Sun 04Jun95	NDAA-12	1707.0000	16:40:24	16:46:51	16:53	16	d-e	21064
Sun 04Jun95	NDAA-11	1698.0000	17:25:07	17:32:00	17:38	20	d-w	34499
Sun 04Jun95	NDAA-12	1707.0000	18:19:25	18:26:50	18:34	40*	d-w	21065
Sun 04Jun95	NDAA-9	1707.0000	19:27:00	19:34:35	19:42	35	d-e	54016
Sun 04Jun95	NDAA-9	1707.0000	21:07:57	21:14:50	21:21	20	d-w	54017
Sun 04Jun95	NDAA-14	1707.0000	21:56:19	21:58:25	22:00	1	a-e	2208
Sun 04Jun95	NDAA-14	1707.0000	23:30:21	23:38:05	23:45	52*	a-e	2208

Sun 04Jun95	passes = 18							
Mon 05Jun95	NDAA-14	1707.0000	01:12:45	01:18:53	01:25	12	a-w	2209
Mon 05Jun95	NDAA-11	1698.0000	03:00:07	03:07:11	03:14	24	a-e	34505
Mon 05Jun95	NDAA-12	1707.0000	03:53:07	03:58:17	04:03	9	a-e	21071
Mon 05Jun95	NDAA-11	1698.0000	04:40:13	04:47:32	04:54	29	a-w	34505
Mon 05Jun95	NDAA-12	1707.0000	05:30:07	05:37:40	05:45	71	a-w	21071
Mon 05Jun95	NDAA-9	1707.0000	06:42:47	06:49:42	06:56	24	a-e	54023
Mon 05Jun95	NDAA-12	1707.0000	07:15:07	07:18:02	07:20	2	a-w	21073
Mon 05Jun95	NDAA-9	1707.0000	08:22:47	08:30:01	08:37	29	a-w	54023
Mon 05Jun95	NDAA-14	1707.0000	10:28:16	10:30:08	10:31	1	d-e	2215
Mon 05Jun95	NDAA-14	1707.0000	12:03:24	12:11:18	12:19	59	d-e	2216
Mon 05Jun95	NDAA-14	1707.0000	13:45:30	13:51:29	13:57	11	d-w	2217
Mon 05Jun95	NDAA-11	1698.0000	15:32:06	15:39:21	15:46	25	d-e	34512
Mon 05Jun95	NDAA-12	1707.0000	16:19:45	16:25:02	16:30	8	d-e	21078
Mon 05Jun95	NDAA-11	1698.0000	17:12:31	17:19:46	17:27	27	d-w	34513
Mon 05Jun95	NDAA-12	1707.0000	17:57:30	18:05:13	18:12	70	d-w	21079

0939
1341

614
1952
2055
2136

0819
0927
1107
1330

1930
2042
2222
0203
0757

1319	Mon 05Jun95	NDAA-9	1707.0000	19:14:17	19:21:34	19:28	25	d-e	54030
	Mon 05Jun95	NDAA-12	1707.0000	19:40:39	19:44:20	19:48	3	d-w	21080
	Mon 05Jun95	NDAA-9	1707.0000	20:54:41	21:01:57	21:09	27	d-w	54031
	Mon 05Jun95	NDAA-14	1707.0000	23:19:45	23:27:19	23:34	40*	a-e	2222
	Mon 05Jun95	passes = 19							
	Tue 06Jun95	NDAA-14	1707.0000	01:01:23	01:08:01	01:14	17	a-w	2223
	Tue 06Jun95	NDAA-11	1698.0000	02:48:19	02:54:57	03:01	18	a-e	34519
	Tue 06Jun95	NDAA-12	1707.0000	03:33:40	03:36:53	03:40	3	a-e	21085
	Tue 06Jun95	NDAA-11	1698.0000	04:27:36	04:35:10	04:42	39	a-w	34519
1905	Tue 06Jun95	NDAA-12	1707.0000	05:08:29	05:15:59	05:23	67	a-e	21085
	Tue 06Jun95	NDAA-9	1707.0000	06:30:22	06:36:49	06:43	17	a-e	54037
	Tue 06Jun95	NDAA-12	1707.0000	06:50:59	06:56:10	07:01	8	a-w	21086
	Tue 06Jun95	NDAA-9	1707.0000	08:09:34	08:17:00	08:24	40	a-w	54037
0152	Tue 06Jun95	NDAA-14	1707.0000	11:52:43	12:00:29	12:08	45*	d-e	2230
	Tue 06Jun95	NDAA-14	1707.0000	13:34:18	13:40:47	13:47	15	d-w	2231
	Tue 06Jun95	NDAA-11	1698.0000	15:20:08	15:26:58	15:33	18	d-e	34526
	Tue 06Jun95	NDAA-12	1707.0000	16:00:21	16:03:09	16:05	2	d-e	21092
0735	Tue 06Jun95	NDAA-11	1698.0000	16:59:59	17:07:30	17:15	36	d-w	34527
	Tue 06Jun95	NDAA-12	1707.0000	17:35:49	17:43:32	17:51	68	d-e	21093
	Tue 06Jun95	NDAA-9	1707.0000	19:01:42	19:08:32	19:15	18	d-e	54044
	Tue 06Jun95	NDAA-12	1707.0000	19:17:29	19:22:56	19:28	31	d-w	21094
	Tue 06Jun95	NDAA-9	1707.0000	20:41:29	20:49:02	20:56	31	d-w	54045
1309	Tue 06Jun95	NDAA-14	1707.0000	23:09:13	23:16:35	23:23	31	a-e	2236

	Tue 06Jun95	passes = 18							
1450	Wed 07Jun95	NDAA-14	1707.0000	00:50:09	00:57:10	01:04	22	a-w	2237
6/6	Wed 07Jun95	NDAA-11	1698.0000	02:36:39	02:42:45	02:48	13	a-e	34533
1847	Wed 07Jun95	NDAA-11	1698.0000	04:15:06	04:22:49	04:30	54	a-w	34533
	Wed 07Jun95	NDAA-12	1707.0000	04:47:07	04:54:22	05:01	38*	a-e	21099
	Wed 07Jun95	NDAA-9	1707.0000	06:18:06	06:23:58	06:29	12	a-e	54051
	Wed 07Jun95	NDAA-12	1707.0000	06:27:59	06:34:20	06:40	16	a-w	21100
	Wed 07Jun95	NDAA-9	1707.0000	07:56:24	08:04:01	08:11	56	a-w	54051
0142	Wed 07Jun95	NDAA-14	1707.0000	09:44:34	09:45:02	09:45	0	a-w	54053
0323	Wed 07Jun95	NDAA-14	1707.0000	11:42:05	11:49:40	11:57	34	d-e	2244
	Wed 07Jun95	NDAA-14	1707.0000	13:23:11	13:30:05	13:36	20	d-w	2245
	Wed 07Jun95	NDAA-11	1698.0000	15:08:18	15:14:35	15:20	13	d-e	34540
	Wed 07Jun95	NDAA-11	1698.0000	16:47:30	16:55:14	17:02	49	d-w	34541
0714	Wed 07Jun95	NDAA-12	1707.0000	17:14:21	17:21:49	17:29	38*	d-e	21107
	Wed 07Jun95	NDAA-11	1698.0000	18:33:11	18:34:43	18:36	0	d-w	34542
	Wed 07Jun95	NDAA-9	1707.0000	18:49:15	18:55:29	19:01	13	d-e	54058
	Wed 07Jun95	NDAA-12	1707.0000	18:54:57	19:01:27	19:07	17	d-w	21108
	Wed 07Jun95	NDAA-9	1707.0000	20:28:22	20:36:07	20:43	51	d-w	54059
	Wed 07Jun95	NDAA-9	1707.0000	22:13:35	22:15:36	22:17	1	d-w	54060
0258	Wed 07Jun95	NDAA-14	1707.0000	22:58:47	23:05:51	23:12	24	a-e	2251
	Wed 07Jun95	passes = 19							

Med 07Jun95	NDAA-9	1707.0000	20:28:22	20:36:07	20:43	(51)	d-w	54059
Med 07Jun95	NDAA-9	1707.0000	22:13:35	22:15:36	22:17	1	d-w	54060
Med 07Jun95	NDAA-14	1707.0000	22:58:47	23:05:51	23:12	24	a-e	2251
Med 07Jun95	passes = 19							
Thu 08Jun95	NDAA-14	1707.0000	00:39:01	00:46:20	00:53	(29)	a-w	2251
Thu 08Jun95	NDAA-11	1698.0000	02:25:11	02:30:33	02:35	9	a-e	34547
Thu 08Jun95	NDAA-11	1698.0000	04:02:41	04:10:30	04:18	74	a-w	34547
Thu 08Jun95	NDAA-12	1707.0000	04:26:04	04:32:47	04:39	(23)	a-e	21114
Thu 08Jun95	NDAA-11	1698.0000	05:47:54	05:51:26	05:54	3	a-w	34549
Thu 08Jun95	NDAA-12	1707.0000	06:05:31	06:12:33	06:19	(29)	a-w	21114
Thu 08Jun95	NDAA-9	1707.0000	06:06:04	06:11:08	06:16	8	a-e	54065
Thu 08Jun95	NDAA-9	1707.0000	07:43:21	07:51:02	07:58	78	a-w	54065
Thu 08Jun95	NDAA-9	1707.0000	09:28:17	09:31:56	09:35	3	a-w	54067
Thu 08Jun95	NDAA-14	1707.0000	11:31:30	11:38:50	11:46	(26)	d-e	2258
Thu 08Jun95	NDAA-14	1707.0000	13:12:09	13:19:22	13:26	(26)	d-w	2259
Thu 08Jun95	NDAA-11	1698.0000	14:56:39	15:02:10	15:07	9	d-e	34554
Thu 08Jun95	NDAA-11	1698.0000	16:35:06	16:42:56	16:50	68	d-w	34555
Thu 08Jun95	NDAA-12	1707.0000	16:53:06	17:00:03	17:07	(22)	d-e	21121
Thu 08Jun95	NDAA-11	1698.0000	18:18:55	18:22:36	18:26	3	d-w	34556
Thu 08Jun95	NDAA-12	1707.0000	18:32:45	18:39:55	18:47	(29)	d-w	21122
Thu 08Jun95	NDAA-9	1707.0000	18:37:01	18:42:25	18:47	8	d-e	54072
Thu 08Jun95	NDAA-9	1707.0000	20:15:19	20:23:11	20:31	71	d-w	54073
Thu 08Jun95	NDAA-9	1707.0000	21:58:54	22:02:51	22:06	4	d-w	54074
Thu 08Jun95	NDAA-14	1707.0000	22:48:26	22:55:08	23:01	19	a-e	2265
Thu 08Jun95	passes = 20							
Fri 09Jun95	NDAA-14	1707.0000	00:27:55	00:35:31	00:43	38*	a-w	2265
Fri 09Jun95	NDAA-11	1698.0000	02:13:53	02:18:24	02:22	5	a-e	34561
Fri 09Jun95	NDAA-11	1698.0000	03:50:18	03:58:11	04:06	82	a-e	34561
Fri 09Jun95	NDAA-12	1707.0000	04:05:25	04:11:16	04:17	13	a-e	21128
Fri 09Jun95	NDAA-11	1698.0000	05:34:05	05:39:00	05:43	6	a-w	34563
Fri 09Jun95	NDAA-12	1707.0000	05:43:24	05:50:48	05:58	(50*)	a-w	21128
Fri 09Jun95	NDAA-9	1707.0000	05:54:20	05:58:20	06:02	5	a-e	54079
Fri 09Jun95	NDAA-9	1707.0000	07:30:24	07:38:04	07:45	77	a-e	54079
Fri 09Jun95	NDAA-9	1707.0000	09:13:54	09:18:51	09:23	7	a-w	54081
Fri 09Jun95	NDAA-14	1707.0000	11:20:57	11:27:59	11:35	(20)	d-e	2272
Fri 09Jun95	NDAA-14	1707.0000	13:01:06	13:08:38	13:16	34*	d-w	2273
Fri 09Jun95	NDAA-11	1698.0000	14:45:14	14:49:45	14:54	5	d-e	34568
Fri 09Jun95	NDAA-11	1698.0000	16:22:42	16:30:37	16:38	88	d-e	34569
Fri 09Jun95	NDAA-12	1707.0000	16:32:13	16:38:15	16:44	12	d-e	21135

0258

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1926

2005

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0312

0653

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1943

0120

0208

Fri 09Jun95	N0AA-11	1698.0000	18:05:33	18:10:28	18:15	6	d-w	34570
Fri 09Jun95	N0AA-12	1707.0000	18:10:47	18:18:19	18:25	50*	d-w	21136
Fri 09Jun95	N0AA-9	1707.0000	18:25:08	18:29:21	18:33	4	d-e	54086
Fri 09Jun95	N0AA-12	1707.0000	19:55:58	19:57:15	19:58	0	d-w	21137
Fri 09Jun95	N0AA-9	1707.0000	20:02:20	20:10:13	20:18	84	d-e	54087
Fri 09Jun95	N0AA-9	1707.0000	21:44:59	21:50:03	21:55	7	d-w	54088
Fri 09Jun95	N0AA-14	1707.0000	22:38:07	22:44:27	22:50	14	a-e	2279

Fri 09Jun95 passes = 21

- Sat 10Jun95	N0AA-14	1707.0000	00:16:56	00:24:42	00:32	50*	a-w	2279
Sat 10Jun95	N0AA-11	1698.0000	02:03:07	02:06:16	02:09	2	a-e	34575
Sat 10Jun95	N0AA-11	1698.0000	03:38:04	03:45:52	03:53	61	a-e	34575
Sat 10Jun95	N0AA-12	1707.0000	03:45:15	03:49:50	03:54	6	a-e	21142
Sat 10Jun95	N0AA-11	1698.0000	05:20:46	05:26:35	05:32	10	a-w	34576
Sat 10Jun95	N0AA-12	1707.0000	05:21:32	05:29:06	05:36	87	a-w	21142
Sat 10Jun95	N0AA-9	1707.0000	05:43:10	05:45:34	05:47	1	a-e	54093
Sat 10Jun95	N0AA-12	1707.0000	07:05:21	07:09:24	07:13	4	a-w	21144
Sat 10Jun95	N0AA-9	1707.0000	07:17:29	07:25:07	07:32	55	a-e	54093
Sat 10Jun95	N0AA-9	1707.0000	08:59:55	09:05:46	09:11	11	a-w	54094
Sat 10Jun95	N0AA-14	1707.0000	11:10:32	11:17:08	11:23	15	d-e	2286
Sat 10Jun95	N0AA-14	1707.0000	12:50:10	12:57:53	13:05	44*	d-w	2287
Sat 10Jun95	N0AA-11	1698.0000	14:34:33	14:37:18	14:40	2	d-e	34582
Sat 10Jun95	N0AA-11	1698.0000	16:10:24	16:18:18	16:26	65	d-e	34583
Sat 10Jun95	N0AA-12	1707.0000	16:11:52	16:16:24	16:20	5	d-e	21149
Sat 10Jun95	N0AA-12	1707.0000	17:48:56	17:56:40	18:04	86	d-w	21150
Sat 10Jun95	N0AA-11	1698.0000	17:52:33	17:58:17	18:04	10	d-w	34584
Sat 10Jun95	N0AA-9	1707.0000	18:14:04	18:16:15	18:18	1	d-e	54100
Sat 10Jun95	N0AA-12	1707.0000	19:31:24	19:35:54	19:40	5	d-w	21151
Sat 10Jun95	N0AA-9	1707.0000	19:49:21	19:57:14	20:05	61	d-e	54101
Sat 10Jun95	N0AA-9	1707.0000	21:31:19	21:37:14	21:43	11	d-w	54102
Sat 10Jun95	N0AA-14	1707.0000	22:28:00	22:33:46	22:39	10	a-e	2293

Sat 10Jun95 passes = 22

- Sun 11Jun95	N0AA-14	1707.0000	00:06:02	00:13:53	00:21	65	a-w	2293
Sun 11Jun95	N0AA-14	1707.0000	01:52:16	01:55:01	01:57	2	a-w	2295
Sun 11Jun95	N0AA-11	1698.0000	03:25:56	03:33:35	03:41	44	a-e	34589
Sun 11Jun95	N0AA-12	1707.0000	03:26:35	03:28:28	03:30	1	a-e	21156
Sun 11Jun95	N0AA-12	1707.0000	05:00:00	05:07:27	05:14	54*	a-e	21156
Sun 11Jun95	N0AA-11	1698.0000	05:07:43	05:14:11	05:20	15	a-w	34590
Sun 11Jun95	N0AA-12	1707.0000	06:41:49	06:47:33	06:53	11	a-w	21157

Sun 11Jun95	N0AA-9	1707.0000	07:10:44	07:12:11	07:19	40	a-e	54107
Sun 11Jun95	N0AA-9	1707.0000	08:46:13	08:52:43	08:59	17	a-w	54108
Sun 11Jun95	N0AA-14	1707.0000	11:00:14	11:06:16	11:12	11	d-e	2300
Sun 11Jun95	N0AA-14	1707.0000	12:39:16	12:47:07	12:54	57	d-w	2301

0870

1416

0250

2002

6/10
1900

0239

Sun	11Jun95	NDAA-9	1707.0000	07:04:44	07:12:11	07:19	40	a-e	54107
Sun	11Jun95	NDAA-9	1707.0000	08:46:13	08:52:43	08:59	17	a-w	54108
Sun	11Jun95	NDAA-14	1707.0000	11:00:14	11:06:16	11:12	11	d-e	2300
Sun	11Jun95	NDAA-14	1707.0000	12:39:16	12:47:07	12:54	57	d-w	2301
Sun	11Jun95	NDAA-14	1707.0000	14:24:02	14:26:50	14:29	2	d-w	2302
Sun	11Jun95	NDAA-11	1698.0000	15:58:11	16:05:57	16:13	47	d-e	34597
Sun	11Jun95	NDAA-12	1707.0000	17:27:20	17:34:58	17:42	54*	d-e	21164
Sun	11Jun95	NDAA-11	1698.0000	17:39:44	17:46:05	17:52	14	d-w	34598
Sun	11Jun95	NDAA-12	1707.0000	19:08:34	19:14:28	19:20	12	d-w	21165
Sun	11Jun95	NDAA-9	1707.0000	19:36:30	19:44:15	19:51	44	d-e	54115
Sun	11Jun95	NDAA-9	1707.0000	21:17:52	21:24:24	21:30	16	d-w	54116
Sun	11Jun95	NDAA-14	1707.0000	22:18:03	22:23:06	22:28	7	a-e	2307
Sun	11Jun95	NDAA-14	1707.0000	23:55:13	00:03:06	00:11	85	a-w	2307

0239

0727

Sun	11Jun95	passes = 20							
Mon	12Jun95	NDAA-14	1707.0000	01:39:51	01:44:08	01:48	5	a-w	2309
Mon	12Jun95	NDAA-11	1698.0000	03:13:54	03:21:19	03:28	33	a-e	34603
Mon	12Jun95	NDAA-12	1707.0000	04:38:45	04:45:50	04:52	31	a-e	21170
Mon	12Jun95	NDAA-11	1698.0000	04:54:50	05:01:47	05:08	21	a-w	34604
Mon	12Jun95	NDAA-12	1707.0000	06:19:03	06:25:44	06:32	20	a-w	21171
Mon	12Jun95	NDAA-9	1707.0000	06:52:05	06:59:16	07:06	29	a-e	54121
Mon	12Jun95	NDAA-9	1707.0000	08:32:43	08:39:41	08:46	23	a-w	54122
Mon	12Jun95	NDAA-14	1707.0000	10:50:07	10:55:24	11:00	7	d-e	2314
Mon	12Jun95	NDAA-14	1707.0000	12:28:25	12:36:21	12:44	75	d-w	2315
Mon	12Jun95	NDAA-14	1707.0000	14:12:03	14:16:13	14:20	4	d-w	2316
Mon	12Jun95	NDAA-11	1698.0000	15:46:02	15:53:35	16:01	34	d-e	34611
Mon	12Jun95	NDAA-12	1707.0000	17:05:56	17:13:14	17:20	31	d-e	21178
Mon	12Jun95	NDAA-11	1698.0000	17:27:01	17:33:52	17:40	20	d-w	34612
Mon	12Jun95	NDAA-12	1707.0000	18:46:11	18:52:58	18:59	21	d-w	21179
Mon	12Jun95	NDAA-9	1707.0000	19:23:45	19:31:14	19:38	31	d-e	54129
Mon	12Jun95	NDAA-9	1707.0000	21:04:31	21:11:32	21:18	22	d-w	54130
Mon	12Jun95	NDAA-14	1707.0000	22:08:21	22:12:28	22:16	4	a-e	2321
Mon	12Jun95	NDAA-14	1707.0000	23:44:27	23:52:19	00:00	75	a-e	2321

1938

2019

0705

0846

Mon	12Jun95	passes = 18							
Tue	13Jun95	NDAA-14	1707.0000	01:28:00	01:33:15	01:38	8	a-w	2322
Tue	13Jun95	NDAA-11	1698.0000	03:01:58	03:09:04	03:16	24	a-e	34618
Tue	13Jun95	NDAA-12	1707.0000	04:17:50	04:24:17	04:30	18	a-e	21185
Tue	13Jun95	NDAA-11	1698.0000	04:42:06	04:49:25	04:56	29	a-w	34618
Tue	13Jun95	NDAA-12	1707.0000	05:56:44	06:03:58	06:11	35*	a-w	21185
Tue	13Jun95	NDAA-9	1707.0000	06:39:34	06:46:22	06:53	21	a-e	54136
Tue	13Jun95	NDAA-9	1707.0000	08:19:21	08:26:39	08:33	32	a-w	54136

6/12

1956

Tue 13Jun95	NAAA-14	1707.0000	10:40:15	10:44:31	10:48	4	d-e	2328
Tue 13Jun95	NAAA-14	1707.0000	12:17:37	12:25:34	12:33	84	d-e	2329
Tue 13Jun95	NAAA-14	1707.0000	14:00:29	14:05:34	14:10	7	d-w	2330
Tue 13Jun95	NAAA-11	1698.0000	15:33:58	15:41:13	15:48	25	d-e	34625
Tue 13Jun95	NAAA-12	1707.0000	16:44:49	16:51:27	16:58	18	d-e	21192
Tue 13Jun95	NAAA-11	1698.0000	17:14:24	17:21:38	17:28	27	d-w	34626
Tue 13Jun95	NAAA-12	1707.0000	18:24:04	18:31:24	18:38	35	d-w	21193
Tue 13Jun95	NAAA-9	1707.0000	19:11:04	19:18:13	19:25	23	d-e	54143
Tue 13Jun95	NAAA-9	1707.0000	20:51:17	20:58:38	21:05	30	d-w	54144
Tue 13Jun95	NAAA-14	1707.0000	21:59:06	22:01:50	22:04	2	a-e	2335
Tue 13Jun95	NAAA-14	1707.0000	23:33:46	23:41:33	23:49	57	a-e	2335

Tue 13Jun95 passes = 18

Wed 14Jun95	NAAA-14	1707.0000	01:16:25	01:22:22	01:28	11	a-w	2336
Wed 14Jun95	NAAA-11	1698.0000	02:50:10	02:56:50	03:03	18	a-e	34632
Wed 14Jun95	NAAA-12	1707.0000	03:57:18	04:02:48	04:08	10	a-e	21199
Wed 14Jun95	NAAA-11	1698.0000	04:29:29	04:37:03	04:44	39	a-w	34632
Wed 14Jun95	NAAA-12	1707.0000	05:34:41	05:42:14	05:49	62	a-w	21199
Wed 14Jun95	NAAA-9	1707.0000	06:27:11	06:33:30	06:39	16	a-e	54150
Wed 14Jun95	NAAA-12	1707.0000	07:20:38	07:22:39	07:24	1	a-w	21201
Wed 14Jun95	NAAA-9	1707.0000	08:06:07	08:13:39	08:21	44	a-w	54150
Wed 14Jun95	NAAA-14	1707.0000	10:31:00	10:33:37	10:36	1	d-e	2342
Wed 14Jun95	NAAA-14	1707.0000	12:06:52	12:14:46	12:22	64	d-e	2343
Wed 14Jun95	NAAA-14	1707.0000	13:49:07	13:54:54	14:00	10	d-w	2344
Wed 14Jun95	NAAA-11	1698.0000	15:22:00	15:28:50	15:35	18	d-e	34639
Wed 14Jun95	NAAA-12	1707.0000	16:24:02	16:29:38	16:35	9	d-e	21206
Wed 14Jun95	NAAA-11	1698.0000	17:01:52	17:09:22	17:16	36	d-w	34640
Wed 14Jun95	NAAA-12	1707.0000	18:02:06	18:09:47	18:17	62	d-w	21207
Wed 14Jun95	NAAA-9	1707.0000	18:58:31	19:05:10	19:11	16	d-e	54157
Wed 14Jun95	NAAA-12	1707.0000	19:45:48	19:48:50	19:51	2	d-w	21208
Wed 14Jun95	NAAA-9	1707.0000	20:38:07	20:45:43	20:53	41	d-w	54158
Wed 14Jun95	NAAA-14	1707.0000	23:23:09	23:30:47	23:38	43	a-e	2349

Wed 14Jun95 passes = 19

Thu 15Jun95	NAAA-14	1707.0000	01:05:00	01:11:31	01:18	15	a-w	2350
Thu 15Jun95	NAAA-11	1698.0000	02:38:30	02:44:37	02:50	13	a-e	34646
Thu 15Jun95	NAAA-12	1707.0000	03:37:33	03:41:23	03:45	4	a-e	21213
Thu 15Jun95	NAAA-11	1698.0000	04:16:58	04:24:43	04:32	53	a-w	34646
Thu 15Jun95	NAAA-12	1707.0000	05:12:59	05:20:33	05:28	76	a-e	21213
Thu 15Jun95	NAAA-9	1707.0000	06:14:59	06:20:40	06:26	11	a-e	54164

Thu 15Jun95	NAAA-12	1707.0000	06:55:55	07:00:46	07:05	7	a-w	21215
Thu 15Jun95	NAAA-9	1707.0000	07:53:00	08:00:40	08:08	62	a-w	54164
Thu 15Jun95	NAAA-9	1707.0000	09:39:27	09:41:38	09:43	1	a-w	54166
Thu 15Jun95	NAAA-14	1707.0000	11:56:09	12:03:57	12:11	49	d-e	2357
Thu 15Jun95	NAAA-14	1707.0000	13:27:53	13:44:13	13:50	14	d-w	2358

Thu 15Jun95	N0AA-12	1707.0000	06:55:55	07:00:46	07:05	7	a-w	21215
Thu 15Jun95	N0AA-9	1707.0000	07:53:00	08:00:40	08:08	62	a-w	54164
Thu 15Jun95	N0AA-9	1707.0000	09:39:27	09:41:38	09:43	1	a-w	54166
Thu 15Jun95	N0AA-14	1707.0000	11:56:09	12:03:57	12:11	49	d-e	2357
Thu 15Jun95	N0AA-14	1707.0000	13:37:53	13:44:13	13:50	14	d-w	2358
Thu 15Jun95	N0AA-11	1698.0000	15:10:10	15:16:26	15:22	13	d-e	34653
Thu 15Jun95	N0AA-12	1707.0000	16:04:13	16:07:46	16:11	3	d-e	21220
Thu 15Jun95	N0AA-11	1698.0000	16:49:24	16:57:05	17:04	49	d-w	34654
Thu 15Jun95	N0AA-12	1707.0000	17:40:23	17:48:07	17:55	77	d-e	21221
Thu 15Jun95	N0AA-11	1698.0000	18:35:18	18:36:35	18:37	0	d-w	34655
Thu 15Jun95	N0AA-9	1707.0000	18:46:08	18:52:07	18:58	11	d-e	54171
Thu 15Jun95	N0AA-12	1707.0000	19:22:20	19:27:27	19:32	8	d-w	21222
Thu 15Jun95	N0AA-9	1707.0000	20:25:01	20:32:48	20:40	57	d-w	54172
Thu 15Jun95	N0AA-9	1707.0000	22:09:35	22:12:20	22:15	2	d-w	54173
Thu 15Jun95	N0AA-14	1707.0000	23:12:36	23:20:02	23:27	33	a-e	2363

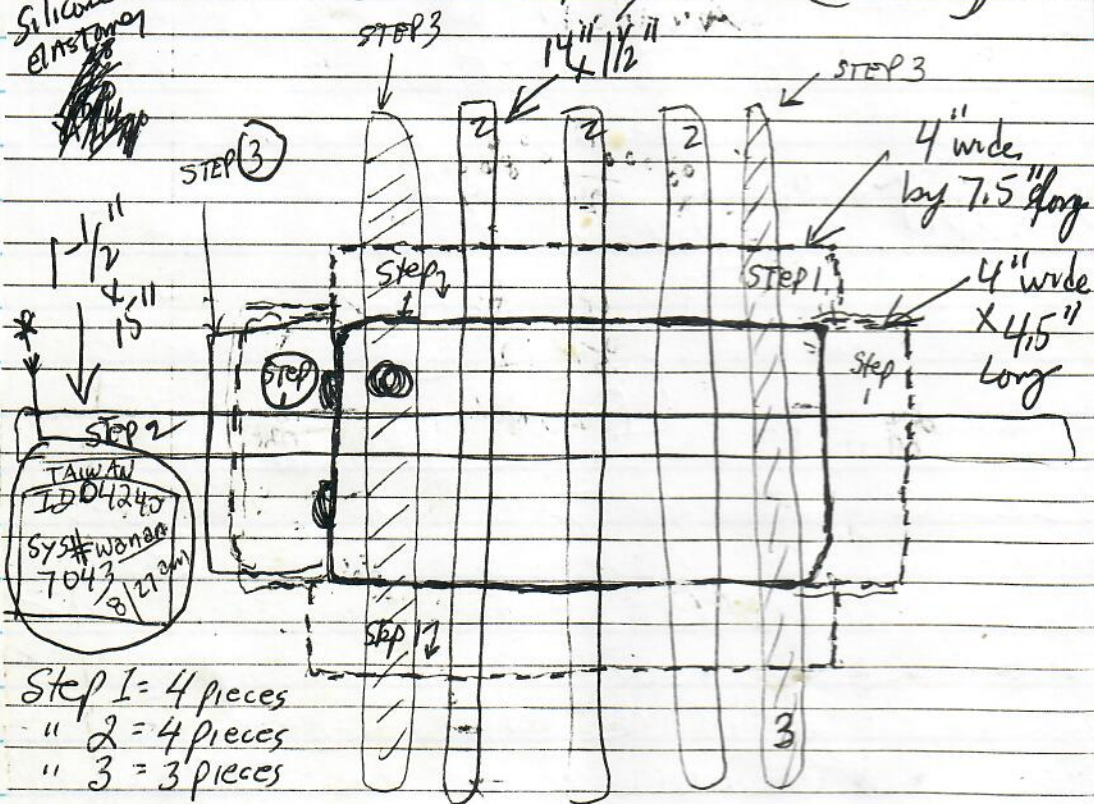
Thu 15Jun95 passes = 21

Fri 16Jun95	N0AA-14	1707.0000	00:53:44	01:00:40	01:07	21	a-w	2364
Fri 16Jun95	N0AA-11	1698.0000	02:27:01	02:32:26	02:37	9	a-e	34660
Fri 16Jun95	N0AA-11	1698.0000	04:04:34	04:12:23	04:20	73	a-w	34660
Fri 16Jun95	N0AA-12	1707.0000	04:51:33	04:58:54	05:06	43	a-e	21227
Fri 16Jun95	N0AA-11	1698.0000	05:49:51	05:53:19	05:56	3	a-w	34662
Fri 16Jun95	N0AA-9	1707.0000	06:03:01	06:07:51	06:12	7	a-e	54178
Fri 16Jun95	N0AA-12	1707.0000	06:32:46	06:38:56	06:45	14	a-w	21228
Fri 16Jun95	N0AA-9	1707.0000	07:39:58	07:47:41	07:55	85	a-w	54178
Fri 16Jun95	N0AA-9	1707.0000	09:24:23	09:28:33	09:32	4	a-w	54180
Fri 16Jun95	N0AA-14	1707.0000	11:45:30	11:53:07	12:00	37	d-e	2371
Fri 16Jun95	N0AA-14	1707.0000	13:26:45	13:33:31	13:40	19	d-w	2372
Fri 16Jun95	N0AA-11	1698.0000	14:58:30	15:04:02	15:09	9	d-e	34667
Fri 16Jun95	N0AA-11	1698.0000	16:36:59	16:44:48	16:52	67	d-w	34668
Fri 16Jun95	N0AA-12	1707.0000	17:18:52	17:26:24	17:33	43	d-e	21235
Fri 16Jun95	N0AA-11	1698.0000	18:20:51	18:24:28	18:28	3	d-w	34669
Fri 16Jun95	N0AA-9	1707.0000	18:33:59	18:39:03	18:44	7	d-e	54185
Fri 16Jun95	N0AA-12	1707.0000	18:59:42	19:05:59	19:12	15	d-w	21236
Fri 16Jun95	N0AA-9	1707.0000	20:11:59	20:19:51	20:27	79	d-w	54186
Fri 16Jun95	N0AA-9	1707.0000	21:55:15	21:59:34	22:03	5	d-w	54187
Fri 16Jun95	N0AA-14	1707.0000	23:02:08	23:09:18	23:16	26	a-e	2377

Fri 16Jun95 passes = 20

MASKING TAPE ON SCREW HEADS + Removal

silicone elastomer	402	Elastomer
45	402	polyester (Laminating)
25	202	polyester (Sanding)



- Step 1 = 4 pieces
- " 2 = 4 pieces
- " 3 = 3 pieces

Step 4 = "Sanding" coating only 256 for all 57145
 NOT Cloth
 11 pieces cloth TOTAL.

My ARGOS Program #
 10 Aug 1994 16:06:00 GMT
 natic Distribution Service (301) 925 4411*
 rgos5.argosinc.com
 honlab.nmfs.hawaii.edu

DATE AND GMT

22127) 3 6 D			
1994-08-09 22:34:04	1	247	556 305 66
00 01			
01092 22127 3 6 H			
1994-08-09 23:09:38	1	247	998 305 66
00 00			
01092 22128 3 6 H			
1994-08-10 11:30:02	2	229	744 218 49
00 00			
01092 22129 3 6 D			
1994-08-09 13:00:06	1	236	943 140 150
00 09			
01092 22129 3 6 D			
1994-08-09 22:34:52	1	238	748 (250) 83
00 00			
01092 22129 3 6 H			
1994-08-09 23:06:36	1	238	938 250 83
00 00			
01092 22129 5 6 D B	1994-08-10 00:21:34	27.574	279.329 0.000 401650749
1994-08-10 00:21:08	1	238	1039 250 83
00 00			
1994-08-10 00:21:59	1	238	32699 17654 2143
00 01			
01092 22129 3 6 H			
1994-08-10 09:54:05	1	238	1057 604 (34)
00 00			
01092 22129 7 6 H A	1994-08-10 11:37:39	27.894	279.554 0.000 401650749
1994-08-10 11:35:56	1	237	29 604 34
00 00			

Temperature of transmitter.
 This value x (142.222) -
 Then fit resulting value
 to curve that comes
 with each transmitter

Duration of last dive =
 2 sec. x value
 = 1488 sec. or 24.8 m

Average dive time over last 12 hours
 = 2 sec x value =
 500 sec. or 8.3 minutes

Dive count over last 12 hours

6/3 SAT
 PAPER
 PAPER

1995

Via Steve Barkley - first nest seen on Tern
 5/2/95. 5/2 - 5/23/95 = 25^{good} nests
 5/28 - Tern had 4 good nests. TERN.

[on 5/12 Mitch saw 63 basking on East
 at "Midday". [WS on 5/16 Mitch 1530 h = 105^{basking}

PRACTICE TAGS
 USED UP = U654 - U666
 locked on cardboard

U603 - U999 } TO FFs 6/95
 F 901 - F999 }
 G3 - G300 }

Bob JUSTMAN
 MAX Pearl Pacific Air"
 PIPER AZTEC
 N40370

6/3/95
 SATURDAY

EXPEDITION 40

700 lbs AVAILABLE for personnel & gear
 Depart San Bob Justman / MAX
 PIPER Aztec / w/ YONAT SWIMMER & KELLI TAKIMOTO

OBJECTIVES -

- 1) Establish field camp on East for 24th year of monitoring
- 2) Deploy satellite transmitters on adult males.
- 3) Deploy temperature loggers to get thermal profiles for incubation temperatures
- 4) Collect dna skin biopsies
- 5) Collect tumored and normal tissues in G. N. taraxacoides for EM and histopathology

Notes in
file at
Tern
1993

6-28-93

"She came, she dug, she left."
Alyssa Ward re: S-173

ONST

3135 LFL immature baster - ~60lbs

"has another toy - couldn't read"

6/4
Sunday

7AM

ONST

J.S. & Anthony ~~Alton~~ VIGGIANO+GHB walked Tern beach for nesting
count - objective - count # success

nests, [counted = 3]

up to 43 fill in as of this date.

No emergencies, not counted (track up).

Nests staked and hatchlings rescued

and released that wouldn't have

reached to surface. No. of hatchlings

but dead hatchlings also counted.

Need - time limits on walk. Just

look for good nests instead of

following tracks. Pick things

to excavate, and place time

limits for locating eggs (ie if not

located in 20 minutes, abandon).

Sent day preparing gear, packing
for east, xeroxing old Tern data, etc.

At 2pm deployed ONSET data loggers
on Tern beach - Selected

4 sites along beach - near
nests marked by Anthony. Loggers
are in a plastic bag zip lock - with
plastic container of DEICIDE - then in a
second BAG.

Tagged W999 LF CCL = 5016
W9999 RFL

~~BACKNOTE~~
from Term data files.

1/27/92 found 70m east of
Craf Beach behind seawall (washed over by waves)

Needs Return Head lamp
Moto tools & chargers

- Send up: need 1992 traps
- Punch TOOL daily totals 2 Mini Flashlights
- GIFTS¹⁵ + Steve¹⁰ TOTALS TAPS - 6038 6076 07 ?

- EGGS in coral chunks in front of tent gate.

Tag numbers on Tern?
2 pliers Steve & Anthony → protocol for Tern nest excavations

see page 122 formal see page 64 for east B. data.

6/4/95 Buried w/ wire mesh (for metal detector)
Sunday with nylon cord and Roto tag on the end.
Red flagging tape along cord.
-5° to 37° C. Wooden stake 1m inland.
onset Hobo ROTO TAG BBA472

TERN

Unit 1: Logger no. 17468
2:55pm FINE Sand - no shading veg.
Records Jeremy 3.2 hours Just seaward of Tennis court.
45 cm deep

UNIT 2: Logger no. 17470 BBA500
2:55pm just east of pole marked "3, 4, 5"
Medium coral pieces with sand - harder packed for digging w/ shovel
Near Tern tunnel STAKE 5 18 & 25.
NEST

9/22/95 ~ 2pm all 4 units excavated ON TERN

TEEN 50 6/4/95 Sunday all ~ 10m from TERN
UNIT 3- Logger 16591 high tide line.
East of last site - more NESTS
toward, Stones. By stakes 12, 16,
& 41.

305pm BBA 480
Fine sand, small rootlets
at surface

UNIT 4- Logger 16593 BBA 479

335pm Fine Sand, NESTS
Near 8 & 26 stakes

6/4 330pm 2 Males basking just before
Sunday sea wall - east end U - South
beach. Female ~~is~~ basking
on sand spit - NE end.

6/5/95 9pm
Stowaway on set tent loggers
hung on fence behind (south) of
tent -
Moved (by boat) 230pm 6/7/95

"AGATAGUE" USCG Cutter brought drums of gas.

6/5/95 ^{~10 AM} Depart Tern-Antony ^{VIGGIANO} with gear
THURSDAY for East-Mitch, took 2 boat
loads. Turtle camp set up
by pole. ~1700 albatross chicks
on island. Cop. turtles
seen inside reef areas 13-14.

"Lack of planning on your part does
not constitute an emergency on
my part"

"Due to budgetary constraints
there will be no light at the
end of the tunnel"

EAST

6 PM - SEP - 49 BASKERS
NEP - 24
73 TOTAL

6/5/95 Adult ♀ 5119 655 pm BASK SEP

Monday 11 ♂ 9610(?) BASK SEP

ADULT ♂ BBA 40 BASK NEP
Blue ROTO

Monday SL = 85.8

There had to
have been another
number.

6/5/95 ~~at~~ 740 pm up to nest
W799, W800 old top ♀

52

- 3 of us out to scout turtles
 old tags read + dot of
 white paint. NO new applied

6/5/95

10 AM - 1145 PM

6/5/95
TUES~~TUES~~

Monday 1)

A578 LH

2) A823 LH, F618 RH

3) A447 LH

4) F151 LH

1-#3 TMR Smooth-
left shoulder

5) A619 LH

6) F595 LH

+ ~7 others w/no tags = (13)

6/6/95 Turtles still up covering
 after sunrise.

TUES

0740h A653 LH, A654 RFL + LFL
DNA punch, left shoulder

0805h U132 LH

1-#3 RJAW smooth

0810h

U31

ecl 9.8cm

DNA punch left shoulder

No sign of old
anotoool on any turtles
I saw.

EAST
Basking census =
53 NEP, 53 SEP
106 TOTAL

6/6/95
TUES

6/7/95 0100 h A481, 482, 483
Wednesday nesting next to fencing in front
of tent. SL = 88.1
DNA of eggs covered w/ large coral chunks,

3587 seen nesting

0200h

W115 LFL, 9954 RFL

w430
not locked
close to
edge

W430 RFL seen up
I APPLIED U653 new

3374, 3375 0210h seen up

Punch for
DNA

6128, 6144 +1 RFL 0220h
Seen w/ monofilament cut into
RFF base of flipper - RFF swollen.
I turned turtle over and
cut it out (sample of line saved).

0230h F240 RFL seen up

Moon down. STARS!



NEP
BASK

Placed

IN Box 5:45 pm

6/6/95

6/6/95

Tues.

TUES

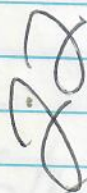
old: 6038 RFL
 old: 6076 CFL
 New: U651 RH } new
 New: U652 LH }

CCL: 92.5 cm CCW: 88.0 cm

SCL: 87.1 cm

Notch: 87.1 cm

Moto ID: 6038 (2x) 4th Lat. L&R
 white paint painted over
 with resin.



Trans. May. off 6/6/95 7 pm when

an turtle with elastomers only.
Sunset 8 pm. Cool.

Air temp. 25°C. Third step;
glass cloth, applied ~ 10 pm.

6/7/95 At ~ 1 AM while searching for DNA
 samples, I mixed and applied
 sardine coat. AT 7 AM
 at turned on Trans. 22/25

and painted antifouling on
22133 male.

Released at 7:25 am NEP
photos with "YOST" stickers.

Low tide

Turtle swam to SEP (Vol. 56)

ICOM
73
Log
200
05
10

ICOM
735

TUES. Icom 735
6/6/95 night

System

55

Long
wire
up
EAST
pole

RAYMOND
ZL1ARY
Copper
wire
"long wire"
30' up
pole

9486
22133
9/15/94
EAST Tuned on 7 PM
6/6/95

WBGICQ 5X9
DICK
San Bernardino

ZL2 VS DUSTY

N7BZF 5X5 HAL
Oregon

~~W~~ T3 ONJ priest 5X17
KARL TARIWA

VR9NS NO

~~VR9NS~~ VETIU NO
5X3

Kova AL9AK 5X6
city UIJUNGU Edgmont

6038 Am.
6/7/95 when it swam around in deep
Wednesday pools with other turtles.

A few turtles up to bask
already.
6/8/95 ⁶⁰³⁸ seen basking SEP at 4PM - ^{several} photos
Thursday

Kellie Takimoto - having a fantastic time
in '95 w/ Mr. Turtle! YL #2!

Yonut Swimmer - Truly enjoying being part of
Turtle Camp '95! YL #?

Backnote 6/5/95 late afternoon: 6:55 PM
repeated 5119 adult female basking at SEP
9610 (?) adult male basking SEP

6/7/95 EAST NEP "boxed" male and
5pm turned a second one over
to select for sat. telemetry.

boxed one biopsied for DNA

New tags
U668 LH
U669 RH
U670 LFL
U671 RFL

CCW = 89.0 x 81.0
SCL = 81.0
Notch = 82.8

Then released.

EAST

22125

57

6/7/95 wed. deploy (released) 5pm
6/8/95 725pm attached to mob (see p. 58)

6/7/95 wednesday
8179, 8217 RFL LFL seen up nesting
CCL = 91.5 cm

9367 Broken but hooked 5th Central
seen up nesting

F763 seen up nesting

9259 RFL + LFL
CCL = 96.0 SCL = 89.0

6/7/95 1145pm A316 RFL
seen nesting SCL = 94.9 cm

F121, F122 SCL = 88.0
seen ashore

3374, 3375 + R3-4
SCL = 89.8
CCL = 94.5

Repeat recovery Thistle

seen ashore

1150pm 10627 R3-4
SCL = 92.2 seen at SP

8119 LFL seen nesting
SCL = 94.5
CCL = 103

DNA

2320
6/7/95 CCL = 96

Go TO PAGE 66

EAST (GBI)

6/7/95

TUES

NEP ~ 5 pm

one male basket boxed

one turned over, to select for sat. tel. 22125 that

was turned on at 7 AM 6/7/95

22/25

S- 85.9 x unable to take

C- 91.0 x 88.0

RFF 16.5

Head width 12.2

PLASTRON 68.0

TAIL Total 41.0

Clouca - 32.0

RFL - U675

LFL U674

RH U673

LH U672

New Tags applied

"U672"

not took

3rd lat. Right

4th lat. Left.

6:45 pm 1st layer - Fiberglass Hanoan
2nd layer Titan laminating (Eaglehardens)
8 pm 3rd layer " " " "

Applied 7:30 am 6/8/95 4th - Sardin resin only - ~~fiberglass~~ Hanoan

6/8/95 wed - photos of lifting box (YONAT Kellie) RELEASE 8:25 PM

EAST
(GBI)

— KHOU
WHL ASW

6/7/95

59

KH6 JEB — 2 930-11pm

VE7 IU

14.260 MHz

VE1 IJ

KB9 AZZ/KH6

W7 OF

KH6 ACD

VE6 VK

VE7 YL

K06 IS

W08 MGQ

AA7 AV

AA0 AV

W7 EYE

W6 ED

W3 KH

N3 ERN

TOTA

OC-055

60

EAST (GBI)

6/7/95 night

14.260MHz

~~KC~~ 8 PG

~~K6~~ VIA

G3 MCS 5X3

~~MOX~~

VK6 JT

SM0AIU 5X5

ON4 ADN

VE3 XN

✓ G3 KMA - Roger

Johnnie ~~F9~~ RM 5X3

F9 GL

~~KA~~

KA5 ~~TQF~~ 5X5

~~W6RT~~

EAST
(GBI)

VE7 WRD

6/7/95 night

61

~~VR2SN~~

VK7 BC 5X2 14.260 MHz

K6 BFA

AA7 KE

KD6WP

14.260

A.M.

6

~~VR2SN~~ JAP JAV

KH2

~~VR9BP~~
GUAM

NU4D

I.S.

K

SM3 KOR

GØ ERJ

K9 SPY

T.M.

0

IK1 AIG

6/8/95 VK3UY

noonish

~~VR6 RXU Sedona, AZ~~

Bakersfield

VE6AWD 5X5

~~K9~~ PPY Fred

VE3NSZ 5X9

VE3DIR

EAST
(GBI)

14.260

5/8/95 ~~W6 B J H~~
Thursday W9 B W G
noonish W6 B J H

AK5B 5X9

W9 N Z M ~~5X9~~

FW

WB9 EEE

N5 FW

KASW

VE7 LQH

VE7 PHF 5x5

K880 AJ

K5MK

W6 B J H

WA3 HUP
5x2
NØNRI

6/8/95

14,260 (GBI) ^{EAST} 86

63

Thursday
noonish

W9 MAO

K9 AJ

5X5

STATIONS

Worked

VE7IU Reese

Virginia WB4 ZJO Roger 5X5

KE4I 5XB

WØ BBT

KM6CB

~~KB4~~ VE3MDQ

K6JG 5XB

W9SY TEXAS

NIGT 5X9

~~W9~~ KB3X

WING

KAS EJ

~~W9~~ W9CZI

WI8A

~~K3EN~~

K2TQC

K8LJG

N6JAM

~~UN5UR~~

K2TQC

~~K6UNR~~ 5XB

VE6J

OY

5X8

VE3 ~~W9~~ CDT

AB5C

~~G3~~

64 EAST DATA LOGGERS - ONSET "HOBO" -5° to 37°C
~~order burned~~

JUNE 5, 95 6:55 PM 40-50cm

(1) 16592 (BBA 474) ^{PHOTO TAG ON LINE AT SURFACE} SNEP-center
Clean sand & med, shells & coral pieces

(2) 17472 "FFS#8 Denise" (BBA499)
6/5/95 7:15pm Just west of large bronze machinery. Humus and fine to medium sand Area 8

(3) 6/5/95 7:25pm 17475 "FFS#11" (BBA471) Area 6-12
Humus + fine to medium sand.

JUNE 6, 95

(4) photos #29-32 6/6/95, 12:20 PM "FFS#12" BBA 475 Area 3-4
Just west of Camp/pole photos 29-32

(5) photos 6/6/95, 12:45 pm 17473 (BBA 476) Area 5 - slightly South

(6) close up photo in hole 17474 (BBA 477)
6/6/95, 2PM JUST EAST of Cement marker.
Area 1

(7) 17469 (BBA 473) SAND POINT
2 stakes used
6/6/95 2:40 PM Sand Sample taken

see p. 49 for
Term data

JUNE 6, 95

EAST

65

(8)

"FFS #7" (Denise)

BBA 478

6/6/95

250 pm

Area 17

3rd Sample taken
2 stakes used

100g go
every
3.2 hours

Note: all loggers marked with stakes about
6-10 inches East of burial site.
Loggers in zip lock with Drier agent in
plastic container. Then in second zip lock
sealed with tape and attached to wire
mesh (for metal detector re-location).
Nylon cord attached to mesh extending
to surface 10'; spray fluorescent orange,
with orange flagging tape tied in 3 places.

DNA Skin Sample Summary

2	6/7/95	①	6128-	Female	monofilament line removed from flippers
	6/7/95	②	8217-	Female	CCL = 91.5 cm
	6/6/95	③	U31-	Female	CCL = 98 cm
7	6/6/95	④	A653-	Female	—
	6/6/95	⑤	6038-	MALE	SL-87.1 (Sat. Trans) CL-92.5 (22133)
	6/7/95	⑥	A481-	Female	SL-88.1
	6/7/95	⑦	2320-	Female	CCL-96
	6/7/95	⑧	U668-	MALE	CCL-89.0 SL-81.0
	6/7/95	⑨	U672-	MALE	CCL-91.0 SL-85.9
	6/7/95	⑩	6182-	Female	

CONTINUED
FROM PAGE 59

6/7/95 PM Nesting walk around
Wednesday

seen
ashore

F549 LH
F550 RH

SCL = 95.8

W 824

SL = 92.8

seen ashore

6/8/95

Thursday

0940 hours

adult
Male basking
SEP

I newly tagged it

U603 LFL
U604 RFL

3pm (1500 hours)

NEP = 42 basking

SEP = 39 basking

(VAST majority are females)

Departed East about 330pm.
Photos w/ Yvonne and Kelly's
cameras by pole and plaque.
Anthony & Grace picked me up.

Night spent at Tern - cleaning
gear, etc. Items left at

6/8/95

67

Items include Titan Laminating Resin,
catalyst, small amount of Fiberglass Hawaiian
Sanding Resin, 12 V. gel cell battery,
a few brushes, sand paper, old tennis
shoes & socks, nails & hammer, DNA DMSO,
DNA salt packets, ~ 10 biopsy punches,
10 Glutaraldehyde in plastic vials, scalpels

6/9/95

Plane arrived ~ 1030 pm.

Friday

Depart, alone with gear, at 2 pm.
Arrived Honolulu (near Honolulu
Flight Station) 530 pm.
Bob Justman, MAX _____, pilots.

overflight of East - Photos taken.

6/10/95

6 pm Radio ^{10 MHz} contact w/ Kelly

Moto tools running down rapidly,
one grip tool lost.
Will eliminate "X", and reduce
letter size.

- need (1) Another tool bit
- (2) more moto tools

6/11/95

10 MHz w/ Kelly

Sunday

Call to Crispin Dippell,
everything going fine.

828-0327

Tues, 8pm Thomas Corgos 956-5922
6/13/95 Telecom 10 MHz Mototool as of ^{day 5}
523-7054

- 6038 day before yesterday up to 173 this
- also 21233 seen yesterday in the morning
Slim FAST cans drunk (Yorot) the water.

need
check for party
for data base
and new
do history

- A447 A497-
- F764 A347-
- A650-
- 10083-
- A632-
- 6092- 6055
- U63 6183
- A700- F121
- 6581- 6580K
- F138 5317-
- A748(?)
- 9260- 9259
- W648- W649
- W164 5340
- A802 10627-
- F168 F239
- A340 A331
- A368 A248
- F307 10347
- A656 323K
- F13K F132
- 6213-
- A521² 5218-
- W824 W823
- (6234)
- 1032² 4 → W5 next 6/88
- U163

- 7951 7952 ✓
- F584- W397
- A391- A260
- W340
- 6148 9271
- 3437 3229-
- A561- A562
- A556- W52
- A671- 10505
- A597-
- 6139 6040-
- A334- A335
- A591-
- A710- 9272
- A729- A770
- A814-
- W652-
- F296- F297

EST-85,89,91
L50 Mototool
8/19/91
William
Brocky
Hard

6/18/91 W5
7/19/91 EST

check lamp
book
NOT IN
TDP

445
Totals

1/1/183
Kawela Molokai 100100cm
6/3/91- EST
7/91 10315cm

J. Henderson 261-9491 Ticks
 Kellie 7078 BHP → U306 = JATA 1992 69
 U260 → 4800
 U236-4801 Bay 1992

DATA Loggers
 6/16/95 - sent up on plane 6/19 into last 3
 Thurs. Seems like longer tail
 Moto 106
 6/16 Moto 25

Need 1.0) ~~no~~ → RTH F820 → CH F821
 Seen by York R 10095 → E 8244
 1985 Nesting EAST. Also 1988, & 1990

2.0) R 958 L 34 4255

- 61 All original 4271 -
- 41 Tagged at EAST 0162
- 69 Nest, except A 714
- 71 AS A949 A751 A948
- 64 W653
- 67 A373
- 72 - W411 W410
- 73 3202 3201 -
- 74 A933 A931, A933/A932
- 76 10270
- 77 U177 U176 W66?
- 78 A268, 269
- 41 10543 - 10207
- 82 F488 F594 F490
- 88 A214, A215
- 77 W664
- 89 F491 F493, F492
- 91 6111 -
- 83 3537 -
- 80 A901
- 94 A271
- 95 F218

- Moto 8181
- 97 F188 8182
- 98 A209, A208
- 99 A779, 8243, 10199
- 100 W788 -
- 101 A892 8158
- 102 10031/10032
- 104 F204
- 81 7203

6/8/88 TERN X
 6/13/88 EAST N
 7/88 EAST
 8/88 EAST

NOTE TAGS
 8/92 SAT. TAGS
 4800 = W491, H143 - H145
 4801 = A858 - A860, F509 - F510
 4802 = 7560 - 7564 JATA F157
 8/93 SAT. TAGS
 4803 = U273 - U276
 4804 = U204 - U205, U283, U285

JUNE 1995

6/18/95 Flight G301-G400 sent w/ Army

Murday as 6/17 Tern 75 nests

10 MHz

→ Jerry ^{FWS} at Laysan wants to read w/ Kelly logs on turtles. Results? 6/17 moto tool ID=149

Phone path - Golden Eagle will arrive in 3-4 days w/ chimney Bertman photography

Discussed ^{Jiffell} Anthom - stay on East 1-night late in study
- Data entry going OK?
- Call Finch Data loggers?
- Entry - all lengths repeated
Seen moles? Note dates, time, location

6/19/95 Yorat
6/20/95 - Radio 10 MHz

Yorat Recent Recoveries

^{MOTOROOL} ID = 171
seen often bashing 6038 in front of 21233 tent

W5 1988 N

A267

~~F250~~

~~A666~~

~~X0127, A242~~

~~W819, W818~~

~~6103~~

~~6021, A553~~

~~F299, 8/05~~

~~5319, A555~~

~~A822, A681~~

~~4255~~

But 3804

~~8108~~

~~E559, A754~~

~~F820, 10095~~

~~F545, A848~~

~~A766, F418~~

~~A398, A405~~

~~U251, U250~~

~~AW690~~

~~A657, A756~~

NOT INTERS

~~A536, A537~~

~~A668, 3427~~

~~F341~~

~~U 3787~~

~~A558, A559~~

~~F212~~

~~W644, 3368~~

~~A581, 817~~

~~A9141~~

Foot 8106 8107

ALSO 2209 2210 3846

Emergency Tel. nos. for
Bob Justman - Cate June

call Susan

~~9954~~ W115

6/27-6/30/95
(619) 488-1081

11

Verify with of tag no. ?

W799 W800

1-800-288-0770

~~W697~~ W696

~~F181~~ F184

then
(707) 763-1666

~~W430~~

~~U131~~, ~~9778~~

~~A231~~

~~A357~~

~~A813~~ A909

7876 → 4/24/85 Palau, Molokai (w/ 7877, 7878) SL=66.4
CL=70.5

~~A732~~

~~W482~~

~~6128~~, ~~8144~~

~~A848~~, ~~A481~~

6/22/95 Thurs Kellie

→ ^{not} X1 - X26 coming back Now - LAST NIGHT - Reentry

169 ~~A578~~

175 ~~A653~~, ~~A655~~, ~~A654~~

168 ~~7878~~ SL=91.0

140 ~~W689~~

162 ~~F184~~

176A ~~A316~~

177 ~~9367~~

180 ~~8209~~, ~~8210~~

181 ~~W265~~

183 ~~F595~~

184 ~~A989~~

185 ~~A849~~, ~~3718~~

140 ~~W689~~

184 ~~A989~~

187 ~~A823~~, ~~F618~~, ~~A850~~, ~~W38~~

189 ~~3375~~, ~~3374~~

191 ~~F246~~, ~~9369~~, ~~9368~~

192 ~~A619~~, ~~3432~~

? 10057 193 ^{not} ~~1057~~, ~~359~~ (3)

195 ~~F289~~, ~~10133~~, ~~10134~~

196 ~~W145~~, ~~W462~~

43 ~~A928~~ NOT

~~22~~ ~~A748~~, ~~A750~~, ~~A749~~

call MARC

person with?

Flight 7/12/95 copy +

perm?

call Little old Terminal
Christin Corp area
need

828-1414 FWS

72 Vessel Golden Eagle Arrived FFS 6/23/95 Friday 4
WAH6138

TIME - 983-3211
OF DAY

MOTOOL
X-201

6/24/95 - need - Punch DNA
SAT. 6/23/95 - Turtle day 9:30 pm dup BBA476
Reburied by onat. Chris - Home
828 0327

11/26/95 DAY 19
Monday NO CONTACT
Sensitivity 4 8 6 ← Need INMARSAT
Trans Art. Indent 4 ← MFT ARTIFICIAL Ground
5 ← sensitivity 5 15 ← MFT Versa Tuner
5 ← sensitivity 5 15 ← MFT Versa Tuner
4 ← artificial ground 7 MHz
5 ← sensitivity 5 15 ← Versa Tuner

----- message Contents -----
Hi George--sounds fine re:radio call tonight. Few new turtles.
Old turtle tags: 8/1/90 ENST 8/18/92 ENST 5/24/92 EAST
W785/W786, W838/W839, F547-F550, F264. (4 turtles).
Fishhook recovered from LFL of A929, who came up 2 wks. ago.
talk to you later, Y
NOT IN TSPS

Daily Totals - ? data
Split salt - Alcohol

6/28 "Shunks are start. to show up -
only some birds fledging"
- save hook & flip
- probe 2 days go to day 32 (X-235)

7/4/95 TUESDAY need
need phones Recent juvenile deaths
30-35 debate ① F563, 10250
noted ② W451

22133

6/7/95 0725h released East Island
+10h = 1725h GMT

73

6038 MOTO
6076

(U651
U652)

in wild

SL-87.1am

- 22133 Date : 07.06.95 06:35:41 LC : 3 IQ : 60
Lat1 : 23.786N Lon1 : 166.206W
- 22133 Date : 07.06.95 08:05:17 LC : 3 IQ : 68
Lat1 : 23.784N Lon1 : 166.212W
- 22133 Date : 08.06.95 09:32:23 LC : 2 IQ : 68
Lat1 : 23.800N Lon1 : 166.229W
- 22133 Date : 08.06.95 22:03:51 LC : 1 IQ : 50
Lat1 : 23.798N Lon1 : 166.266W
- 22133 Date : 09.06.95 05:51:15 LC : 1 IQ : 57
Lat1 : 23.782N Lon1 : 166.224W
- 22133 Date : 09.06.95 07:32:31 LC : 1 IQ : 66
Lat1 : 23.792N Lon1 : 166.209W
- 22133 Date : 09.06.95 07:37:56 LC : 3 IQ : 68
Lat1 : 23.786N Lon1 : 166.207W
- 22133 Date : 09.06.95 09:20:51 LC : 2 IQ : 68
Lat1 : 23.786N Lon1 : 166.207W
- 22133 Date : 10.06.95 05:28:25 LC : 3 IQ : 60
Lat1 : 23.784N Lon1 : 166.213W
- 22133 Date : 10.06.95 09:04:04 LC : 0 IQ : 57
Lat1 : 23.816N Lon1 : 166.313W
- 22133 Date : 10.06.95 17:56:41 LC : B IQ : 00
Lat1 : 23.811N Lon1 : 166.232W
- 22133 Date : 11.06.95 05:07:40 LC : 1 IQ : 50
Lat1 : 23.784N Lon1 : 166.255W
- 22133 Date : 11.06.95 06:48:05 LC : 3 IQ : 66
Lat1 : 23.786N Lon1 : 166.208W
- 22133 Date : 11.06.95 07:13:05 LC : 3 IQ : 66
Lat1 : 23.787N Lon1 : 166.209W
- 22133 Date : 11.06.95 08:53:05 LC : 3 IQ : 68
Lat1 : 23.785N Lon1 : 166.206W
- 22133 Date : 11.06.95 17:38:56 LC : B IQ : 00
Lat1 : 23.880N Lon1 : 166.169W
- 22133 Date : 13.06.95 06:04:04 LC : 2 IQ : 60
Lat1 : 23.785N Lon1 : 166.208W
- 22133 Date : 13.06.95 06:46:59 LC : 1 IQ : 68
Lat1 : 23.784N Lon1 : 166.205W
- 22133 Date : 13.06.95 08:26:59 LC : 3 IQ : 60
Lat1 : 23.785N Lon1 : 166.206W
- 22133 Date : 14.06.95 05:43:19 LC : 3 IQ : 66
Lat1 : 23.784N Lon1 : 166.211W
- 22133 Date : 14.06.95 07:23:19 LC : 2 IQ : 68
Lat1 : 23.786N Lon1 : 166.212W
- 22133 Date : 15.06.95 05:22:08 LC : 3 IQ : 50
Lat1 : 23.784N Lon1 : 166.213W
- 22133 Date : 15.06.95 07:00:53 LC : 3 IQ : 68
Lat1 : 23.790N Lon1 : 166.211W

22133 Date : 12.06.95 21:13:29 LC : B IQ : 00
Lat1 : 23.820N Lon1 : 166.382W

22133 Date : 17.06.95 18:48:08 LC : Z IQ : 10
Lat1 : 23.744N Lon1 : 166.769W

22133 Date : 17.06.95 06:16:28 LC : 3 IQ : 60
Lat1 : 23.784N Lon1 : 166.208W

22133 Date : 17.06.95 23:02:23 LC : A IQ : 00
Lat1 : 23.823N Lon1 : 166.260W

09092 22133 5 6 D
1995-06-17 18:47:44 2 231 1630 70 16
00 00

22133 Date : 19.06.95 05:34:07 LC : 1 IQ : 50
Lat1 : 23.730N Lon1 : 166.186W

22133 Date : 19.06.95 07:14:07 LC : 2 IQ : 58
Lat1 : 23.731N Lon1 : 166.167W

22133 Date : 19.06.95 17:59:44 LC : B IQ : 00
Lat1 : 23.857N Lon1 : 166.223W

22133 Date : 20.06.95 05:11:51 LC : B IQ : 00
Lat1 : 23.632N Lon1 : 165.851W

22133 Date : 20.06.95 17:39:33 LC : B IQ : 00
Lat1 : 23.525N Lon1 : 165.450W

22133 Date : 21.06.95 06:35:47 LC : 0 IQ : 60
Lat1 : 23.040N Lon1 : 164.733W

22133 Date : 22.06.95 06:04:20 LC : A IQ : 00
Lat1 : 22.899N Lon1 : 164.805W

22133 Date : 23.06.95 18:13:08 LC : B IQ : 00
Lat1 : 22.575N Lon1 : 164.514W

22133 Date : 24.06.95 05:23:55 LC : 2 IQ : 50
Lat1 : 22.403N Lon1 : 164.026W

22133 Date : 24.06.95 17:51:08 LC : A IQ : 00
Lat1 : 22.246N Lon1 : 163.860W

22133 Date : 24.06.95 19:30:22 LC : B IQ : 00
Lat1 : 22.248N Lon1 : 163.812W

22133 Date : 25.06.95 05:05:42 LC : B IQ : 00
Lat1 : 22.257N Lon1 : 163.673W

22133 Date : 25.06.95 19:09:31 LC : B IQ : 00
Lat1 : 22.257N Lon1 : 163.481W

22133 Date : 26.06.95 06:19:30 LC : 0 IQ : 50
Lat1 : 22.368N Lon1 : 163.280W

22133 Date : 26.06.95 18:50:45 LC : B IQ : 00
Lat1 : 22.426N Lon1 : 163.305W

22133 Date : 27.06.95 05:59:51 LC : 3 IQ : 60
Lat1 : 22.447N Lon1 : 163.177W

22133 Date : 22.06.95 18:37:11 LC : B IQ : 00
Lat1 : 22.879N Lon1 : 164.763W
22133 Date : 23.06.95 05:47:42 LC : B IQ : 00
Lat1 : 22.536N Lon1 : 164.099W

6038

22133

Departed

22133

6038

75

22133 Date : 28.06.95 05:39:16 LC : 0 IQ : 56
Lat1 : 22.333N Lon1 : 162.876W

22133 Date : 28.06.95 07:21:22 LC : 0 IQ : 68
Lat1 : 22.308N Lon1 : 162.896W

22133 Date : 27.06.95 18:26:54 LC : 0 IQ : 50
Lat1 : 22.331N Lon1 : 163.130W

22133 Date : 28.06.95 18:05:10 LC : A IQ : 00
Lat1 : 22.162N Lon1 : 162.791W

22133 Date : 29.06.95 05:18:19 LC : A IQ : 08
Lat1 : 22.085N Lon1 : 162.566W

22133 Date : 29.06.95 06:55:39 LC : B IQ : 00
Lat1 : 22.091N Lon1 : 162.457W

22133 Date : 29.06.95 17:41:53 LC : B IQ : 00
Lat1 : 21.900N Lon1 : 162.301W

22133 Date : 29.06.95 19:21:49 LC : B IQ : 00
Lat1 : 21.837N Lon1 : 162.124W

22133 Date : 30.06.95 06:31:43 LC : B IQ : 00
Lat1 : 21.898N Lon1 : 161.881W

22133 Date : 30.06.95 17:22:59 LC : B IQ : 00
Lat1 : 21.826N Lon1 : 161.662W

X 22133 Date : 01.07.95 18:41:44 LC : B IQ : 00
Lat1 : 21.563N Lon1 : 161.144W

22133 Date : 02.07.95 05:47:56 LC : B IQ : 00
Lat1 : 21.562N Lon1 : 160.745W

22133 Date : 03.07.95 05:27:59 LC : B IQ : 00
Lat1 : 21.586N Lon1 : 160.265W

X 22133 Date : 03.07.95 17:55:57 LC : A IQ : 00
Lat1 : 21.585N Lon1 : 159.909W

22133 Date : 05.07.95 06:27:11 LC : A IQ : 00
Lat1 : 21.617N Lon1 : 158.969W

22133 Date : 05.07.95 17:12:04 LC : 1 IQ : 50
Lat1 : 21.613N Lon1 : 158.722W

22133 Date : 05.07.95 18:55:29 LC : B IQ : 00
Lat1 : 21.642N Lon1 : 158.663W

22133 Date : 06.07.95 06:08:14 LC : B IQ : 00
Lat1 : 21.537N Lon1 : 158.130W

22133 Date : 07.07.95 05:41:56 LC : A IQ : 00
Lat1 : 21.622N Lon1 : 158.070W

22133 Date : 03.07.95 19:36:16 LC : B IQ : 00
Lat1 : 21.644N Lon1 : 159.852W
X 22133 Date : 04.07.95 06:51:23 LC : B IQ : 00
Lat1 : 21.532N Lon1 : 159.694W

22133 Date : 04.07.95 19:15:04 LC : B IQ : 00
Lat1 : 21.510N Lon1 : 159.348W

76

22133

22133 Date : 13.07.95 17:40:00 LC : A IQ : 00
Lat1 : 21.082N Lon1 : 157.118W

22133 Date : 14.07.95 18:58:30 LC : B IQ : 00
Lat1 : 21.101N Lon1 : 156.685W

22133 Date : 19.07.95 19:57:05 LC : B IQ : 00
Lat1 : 20.841N Lon1 : 156.399W

22133 Date : 24.07.95 18:40:03 LC : B IQ : 00
Lat1 : 20.919N Lon1 : 156.431W

22133 Date : 26.07.95 05:24:42 LC : B IQ : 00
Lat1 : 20.785N Lon1 : 156.572W

22133 Date : 26.07.95 17:58:23 LC : B IQ : 00
Lat1 : 20.935N Lon1 : 156.478W

22133 Date : 28.07.95 21:15:45 LC : B IQ : 00
Lat1 : 20.930N Lon1 : 156.394W

22133 Date : 29.07.95 21:08:17 LC : B IQ : 00
Lat1 : 20.944N Lon1 : 156.381W

22133 Date : 31.07.95 17:48:51 LC : B IQ : 00
Lat1 : 21.076N Lon1 : 157.038W

241 1552 267 79
00 00

22133 Date : 25.11.96 05:00:52 LC : Z IQ : 00

not real

Lat1 : ??????? Lon1 : ????????? Lat2 : ??????? Lon2 : ?????????

Nb mes : 001 Nb mes>-120dB : 000 Best level : -134 dB

Pass duration : ? s NOPC : ?

Calcul freq : 401 650000.0 Hz Altitude : 0 m

FFS 6/95

MAGE

206	25432	27937	00
03	18	CB	C3
57	6D	1D	00
00	02	C8	00
57	6E	21	00
00	02	00	05
00	33		